

# AN ANNOTATED CATALOGUE OF THE OTITIDAE (sens. lat.) (DIPTERA) RECORDED FROM AUSTRALIA, INDONESIA AND THE PACIFIC ISLANDS

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## 1. INTRODUCTION

The aim of this catalogue is to provide a list of all the described species of Otitidae recorded from the area detailed below, together with all published taxonomic references to them. The catalogue includes all species described up to the end of 1964, and every reference mentioned has been read by the author.

Although it is well over 100 years since the first species were described from the area, confusion of genera, species, and their respective distributions still exists. The vast taxonomic literature on the family is scattered both in time, and in a wide range of publications, and is in a variety of European languages; few collections of otitid material in institutions have received modern taxonomic study; and some types of genera and species were described, at the time, in a few lines sufficient for their validation, but wholly inadequate for recognition purposes. Where such genera and species occur in this catalogue, a note at the end of each points out the difficulties encountered and directs attention to the most fruitful lines to be followed in order to clear up doubts. As would be expected with small insects, practically every large collection of the family contains undescribed species.

The selected area corresponds with no accepted geographic region. It was chosen primarily because of the author's interest in the sub-family Platystominae which appears to have evolved in the area, and to which, most of its members are naturally confined. The area is extensive: on the west and east, it is bounded by the 90°E and 135°W meridians, respectively; its north and south limits are latitudes 30°N and 60°S. No part of mainland Asia is included; where such is referred to, it is because the distribution of certain species extends from adjacent land masses to the mainland. The land masses of the area are thus Australia and New Zealand, Indonesia, the Australian mandated territories of Papua and New Guinea, the Philippine Islands, and the numerous scattered islands of the western Pacific Ocean.

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## 2. SOURCES

This catalogue is based on the work of Hendel who, in several fascicles of *Genera Insectorum* (notably No. 157, Hendel, 1914a) and in his *Die Arten der Platystominien* (Hendel, 1914b), reviewed all the species of which he was aware up to that time. To these, I have added species overlooked by him, corrected names where these have later been shown to be in error, and have added species described since then chiefly by American and European workers to whom material was submitted for identification either by private persons or scientific expeditions. The results of several European scientific surveys have also been incorporated.

Comparison of Hendel's two texts referred to above shows that he intended publication of *Die Arten der Platystominien* to precede that of fascicle 157 of *Genera Insectorum*, since, in the former he described his new genera and species, and referred to them in the latter as already published. As it so happened, however, fascicle 157 of *Genera Insectorum* was published on 15th April, 1914 while *Die Arten der Platystominien* was not published until 15th June of the same year. This resulted in all of Hendel's new names in *Genera Insectorum* being *nomina nuda* which were not validated until the later publication of *Die Arten der Platystominien* (*Abh. zool-bot Ges. Wien* 8). The possibility of prior publication by others therefore exists. While this possibility is a remote one, it still should be borne in mind by anyone working on the family.

Hendel's work laid the foundation on which later taxonomists have built. His ability to find morphological characters for delimiting genera, and to make clear the relation of one genus to another, were gifts of a high order. He did, however, have occasional lapses, as, for example, in re-allocating some of the earlier workers' species to the genera he accepted. He seems, not infrequently, to have seen neither the types, nor specimens known to be conspecific with them, and the original descriptions, which he often quotes *verbatim*, were his only guide. These descriptions, written before modern concepts of generic and specific limits had been elaborated, were, all too frequently, insufficient for identification purposes. Such blemishes may possibly be attributed to the disturbed conditions prevailing in Europe at the time he was preparing his works for publication. While these doubtful species are here included as Hendel placed them, they should preferably be treated as "genus unknown", until their placement is either confirmed, or they can be placed in their correct genera by future workers.

To avoid repetition, citation of Hendel's two major works, in the body of the text, indicates that references to a genus or species published before 1914 will be found therein. *Die Arten der Platystominien* is abbreviated to Hendel 1914a and fascicle 157 of *Genera Insectorum* to Hendel 1914b.

The number following each corresponds with the pagination. This has enabled me to reduce references to works published just before 1914, too late to be included by him, and to those which have been published since.

Students of the Otitidae of Australia and New Guinea will find the series of papers by J. R. Malloch in *Proc. Linn. Soc. N.S.W.* essential. In addition to the genera and species from this area listed by Hendel, Malloch includes a considerable number of genera and species described by himself and others after 1914.

### 3. NOMENCLATURE

At the present time the nomenclature of the Otitidae is receiving new study. Hendel treated the group as a single family consisting of several subfamilies; the modern trend, as exemplified by Steyskal in the U.S.A., is to raise some, at least, of these to family status. To what extent this lead will be followed, the future alone can decide. In these circumstances, the author has retained the Hendelian system; in practice, this will cause no difficulties for workers in the group.

The sub-family, Platystominac (family Platystomatidae of Steyskal), with 423 described species, is the dominant one in the area, to which nearly all of these species are endemic. In addition, 19 species of other sub-families (Otitinae, 1; Ulidiinae, 18), have been recorded.

Of these 19 species, six are known to be introductions, and some degree of doubt attaches to the remainder. The position is further confused by misidentifications through which species not occurring in the area have been recorded as so doing. The probability is high that some records may still be based on misidentifications.

In this catalogue, the arrangement and numbering of genera are those used by Hendel in fascicles 157 (1914, Platystominac) and 106 (1910, Ulidiinae) of *Genera Insectorum*. Missing numbers represent genera none of whose species have been recorded from the area. This applies, for example, in the Platystominae, to the first eight genera: the list thus begins with Hendel's genus No. 9.

A letter following a number indicates that the genus has been erected since Hendel's work was published, or is one of which he was unaware when he wrote. An asterisk preceding a specific name indicates an "Australian" species, that is, one recorded from Australia, or New Guinea and its adjacent islands.

Within genera, species are arranged in alphabetical order.

#### Family: OTITIDAE

Type genus: *Otites* Latrille, 1804 *Nouv. Dict. Hist. nat.* 24: 196.

## I. Sub-family: PLATYSTOMINAE

Type genus: *Platystoma* Meigen, 1803 *Mag. Insektenkunde (Illiger)* 2: 277.

NOTE: Both Curran (1934) and Malloch (1939) claimed that *Platystoma* was not available for use in the Diptera since it "is pre-occupied in Mollusca." Neither gave any reasons for making this assertion, nor referred to any authority. In Neave (*Nomenclator Zoologicus* 3: 802-803), *Platystoma* Meigan, 1803 pre-dates, by many years, the earliest of the six later applications of *Platystoma* to other animal groups. Steyskal in all his publications uses *Platystoma* without any query as to the correctness of such usage, and the name was accepted by workers who preceded Curran (e.g., Williston, 1888 and later editions; Hendel A, B). In these circumstances, Curran's statement appears to be incorrect; Malloch apparently followed him without checking the correctness of the statement since he used the exact wording of Curran.

## GENERA

9. Genus: **POECILOTRAPHERA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* 157: 33.

Type species: *Urophora taeniata* Macquart, 1843.

1. **P. taeniata** (Macq. 1843)

*Urophora taeniata* Macq., 1843 *Dipt. exot.* 2: 222 Pl. 30, Fig. 6. Bezzi, 1913 *Mem. Indian Mus.* 3: 80 (No. 259).

*Poecilotrapphera taeniata* (Macq. 1843), Hendel, 1914b :21; 1914a :33. Enderlein, 1924 *Mitt. Zool. Mus. Berlin* 11: 100.

Distribution: Borneo, Java, China.

The only other described species is *P. comperei* (Coq, 1904) from India.

11. Genus: **XIRIA** Walker, 1857

*Xiria* Walker, 1857 *J. Proc. Linn. Soc. Lond.* 1: 36.

Type species: *Xiria antica* Walk., 1857.

Hendel, 1914b :24; 1914a :35.

1. **X. antica** Walker, 1857

*Xiria antica* Walker, 1857 *J. Proc. Linn. Soc. Lond.* 1: 36 Pl. 2, Fig. 2. Bezzi, 1913 *Mem. Indian Mus.* 3: 67 (No. 20). Hendel, 1914b :24; 1914a :37.

Distribution: Sumatra.



2. **X. clarissa** Frey, 1930

*Xiria clarissa* Frey, 1930 *Notul. ent. Helsingf.* **10**: 62 Pl. 1, Fig. 7.

Distribution: Philippines.

3. **X. lavinia** van der Wulp, 1898

*Xiria laviuia* v. d. Wulp, 1898 *Tijd. Ent.* **51**: 210 Pl. 10, Figs. 8, 9.  
Enderlein, 1912 *Zool. Jahrb.* **33**: 361. Hendel, 1914b :25; 1914a :37.

Distribution: Java, Sumatra.

4. **X. limbata** de Meijere, 1924

*Xiria limbata* de Meijere, 1924 *Tijd. Ent.* **67** (Suppl.): 40.

Distribution: Sumatra.

5. **X. obliqua** Osten-Sacken, 1881

*Xiria obliqua* Osten-Sacken, 1881 *Ann. Stor. nat. Mus. Genova* **16**: 463.  
Hendel, 1914b :25; 1914a :37.

Distribution: Sumatra.

\*6. **X. papuana** Hennig, 1940

*Xiria papuana* Hennig, 1940 *Arb. morph. Taxon. Ent. Berl.* **71**: 316.

Distribution: New Guinea.

\*7. **X. strigata** Hennig, 1940

*Xiria strigata* Hennig, 1940 *Arb. morph. Taxon. Ent. Berl.* **71**: 317.

Distribution: New Guinea.

8. **X. violacea** (Wied., 1830)

*Trypeta violacea* Wied., 1830 *Ausser. Zweifl. Ins.* **2**: 476. Bezzi, 1913  
*Mem. Indian Mus.* **3**: 81 (No. 281).

*Xiria violacea* (Wied., 1830) Hendel, 1914b :26; 1914a :37.

Distribution: Java, Sumatra.

12. Genus: **LASIOXIRIA** Hendel, 1914 (Monotypic)

Hendel, 1914a *Gen. Ins.* **157**: 37.

Type species: *L. hirsuta* Hend. 1914.

Hendel, 1914b :28.

\*1. **L. hirsuta** Hendel, 1914

*Lasioxiria hirsuta* Hendel, 1914b :28; 1914a :37. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 101.

Distribution: New Guinea.

Malloch, 1939 suggested that *Lasioxiria* might be a synonym of *Dasyortalis* Hendel, 1913.

13. Genus: **CONICIPITHEA** Hendel, 1914 (Monotypic)

Hendel, 1914a :40.

Type species: *Dacus addens* Walker, 1860.1. **C. addens** (Walker, 1860)*Dacus addens* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 149. Bezzi, 1913 *Mem. Indian Mus.* **3**: 66 (No. 5).*Conicipithea addens* (Walk., 1860) Hendel, 1914b :29. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 163.

Distribution: Amboina (Moluccas), Macassar (Celebes).

14. Genus: **PHILOCOMPUS** Osten-Sacken, 1881Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.Type species: *Philocompus cupidus* Osten-Sacken, 1881. Hendel, 1914b :30; 1914a :42. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.1. **P. aeneus** de Meijere, 1906*Philocompus aeneus* de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 187 Pl. 2, Fig. 16. Hendel, 1914b :30; 1914a :42.

Distribution: Bali, Java.

2. **P. cupidus** Osten-Sacken, 1882*Philocompus cupidus* Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 217. Hendel, 1914b :30; 1914a :42. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

3. **P. divergens** (Walk., 1860)*Dacus divergens* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 149. Bezzi, 1913 *Mem. Indian Mus.* **3**: 70 (No. 84).*Philocompus divergens* (Walk., 1860) Hendel, 1914b :42; 1914a :42. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 170.

Distribution: Macassar (Celebes).

15. Genus: **ANTINEURA** Osten-Sacken, 1881Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.Type species: *Antineura stolata* Osten-Sacken, 1882. Hendel, 1914b :32; 1914a :400. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

\*1. **A. biroi** de Meijere, 1906

*Antineura biroi* de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 188 Pl. 2, Fig. 17. Hendel, 1914b :33; 1914a :41. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Distribution: New Guinea.

\*2. **A. devia** (Walk., 1861)

*Dacus devius* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 250. Bezzi, 1913 *Mem. Indian Mus.* **3**: 70 (No. 78).

*Antineura devia* (Walk., 1861) Hendel, 1914b :36; 1914a :41. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 169.

Distribution: New Guinea.

3. **A. grandis** (Dol., 1858)

*Herina grandis* Doleschall, 1858 *Nat. Tijds. Ned. Ind.* **17**: 126.

*Antineura grandis* (Dol., 1858) Hendel, 1914b :35; 1914a :42. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Distribution: Moluccas.

\*4. **A. kerteszi** de Meij., 1906

*Antineura kerteszi* de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 189 Pl. 2, Fig. 18. Hendel, 1914b :34; 1914a :42. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 110. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104 Pl. 4, Fig. 4.

Distribution: New Guinea.

5. **A. pubiseta** (Walk., 1861)

*Dacus pubiseta* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 294. Bezzi, 1913 *Mem. Indian Mus.* **3**: 78 (No. 214).

*Antineura pubiseta* (Walk., 1861) Hendel, 1914b :36; 1914a :42. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Moluccas.

6. **A. sericata** Osten-Saeken, 1882

*Antineura sericata* Osten-Saeken, 1882 *Berl. ent. Zeit.* **26**: 216. Hendel, 1914b :33; 1914a :42. Bezzi, 1917 *Philippine J. Sc. (D)* **12**: 133.

Distribution: Philippines.

7. **A. stolata** Osten-Saeken, 1882

*Antineura stolata* Osten-Saeken, 1882 *Berl. ent. Zeit.* **26**: 215. Hendel, 1914b :32; 1914a :42. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

8. **A. strigifer** (Walk., 1862)

*Dacus strigifer* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 13. Bezzi, 1913 *Mem. Indian Mus.* **3**: 80 (No. 252).

*Antineura strigifer* (Walk. 1862) Hendel, 1914b :37; 1914a :42. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 183.

Distribution: Moluccas.

I have rejected Hendel's sub-division of this genus into the two sub-genera, *Antineura* (*sens. str.*) and *Adantineura*. At least two species were described from single specimens and neither species has since been recorded; the genus is not well known, and still awaits revision.

15A. Genus: **PSEUDOCLEITAMIA** Malloch, 1939 (Monotypic)  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Type species: *Pseudocleitamia setigera* Malloch, 1939.

\*1. **P. setigera** Malloch, 1939

*Pseudocleitamia setigera* Malloch, 1939 *ibid.*

Distribution: New Guinea.

16. Genus: **XENASPIS** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.

Type species: *Xenaspis polistes* Osten-Sacken, 1882.

1. **X. extranea** Bezzi, 1917

*Xenaspis extranea* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 134. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

2. **X. homichlodes** Hend., 1914

*Xenaspis homichlodes* Hendel, 1914b :41; 1914a :44.

Distribution: Borneo.

3. **X. pictipennis** (Walker, 1849)

*Oxycephala* (?) *pictipennis* Walker, 1849 *List. Dipt. Brit. Mus.* **4**: 1162.

*Xenaspis vespoides* de Meijere, 1904 *Bijd. Dierk.* **17**: 107, Figs. 19, 20.

*Polistomima gigantea* Enderlein, 1912 *Zool. Jahrb.* **33**: 353, Fig. C.  
Hendel, 1914b :39; 1914a :44.

Distribution: India, Indonesia.

4. **X. polistes** Osten-Sacken, 1882

*Xenaspis polistes* Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 220. Hendel, 1914b :38; 1914a :44. Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 134. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

5. **X. stigma** (Enderlein, 1912)

*Polistomima stigma* Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 352 Fig. B.  
*Xenaspis stigma* (End., 1912) Hendel, 1914b :42; 1914a :44.

Distribution: Sumatra.

6. **X. walkeri** (End., 1912)

*Polistomima walkeri* Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 350 Fig. A.  
*Xenaspis walkeri* (End., 1912) Hendel, 1914b :42; 1914a :45.

Distribution: Sumatra.

This is a widely-dispersed genus: of its fifteen described species, six have been recorded from India as far north as the Himalaya, one from Burma, three from the Indonesian islands, two from the Philippines, two from Taiwan, and one occurs both in India and Indonesia. It is likely that new species will yet be found in New Guinea.

16A. Genus: **XENASPOIDES** Frey, 1930

Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Type species: *Xenaspoides ichneumonea* Frey, 1930

1. **X. cyanea** Frey, 1930

*Xenaspoides cyanea* Frey, 1930 *Notul. ent. Helsingf.* **10**: 50 Pl. 1, Fig. 2.

Distribution: Philippines.

2. **X. ichneumonea** Frey, 1930

*Xenaspoides ichneumonea* Frey, 1930 *Notul. ent. Helsingf.* **10**: 50 Pl. 1, Fig. 1.

Distribution: Philippines.

17. Genus: **LAMPROPHTHALMA** Portschinsky, 1892

Portschinsky, 1892 *Horae Soc. ent. Rossicae* **26**: 225.

Type species: *L. metallica* Ports., 1892.

1. **L. cavenda** Bezzi, 1917

*Lamprophthalma cavenda* Bezzi, 1917 (? publication) Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

I have been unable to find Bezzi's original description. My only reference to the species is the specific name, author and date given in a list by Frey (*loc. cit.*).

2. **L. doleschalli** (End., 1912)

*Senopterina doleschalli* Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 357.

*Lamprophthalma doleschalli* (End., 1912) Hendel, 1914b :49; 1914a :45.

Distribution: Sumatra.

3. **L. meijereana** (End., 1912)

*Senopterina meijereana* Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 356.

*Lamprophthalma meijereana* (End., 1912) Hendel, 1914b :49; 1914a :45.

Distribution: Sumatra.

4. **L. sepedonoides** (Walk., 1864)

*Dacus sepedonoides* Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 228.

*Lamprophthalma sepedonoides* (Walk., 1864) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Moluccas.

5. **L. tuberculifrons** de Meijere, 1933

*Lamprophthalma tuberculifrons* de Meijere, 1933 *Tijd. Ent.* **76**: 111.

Distribution: Java.

17A. Genus: **APACTONEURA** Malloch, 1930 (Monotypic)  
Malloch, 1930 *Ins. Samoa* **6** (5): 223.

Type species: *Apactoneura flavicornis* Malloch, 1930.

1. **A. flavicornis** Malloch, 1930

*Apactoneura flavicornis* Malloch, 1930 *Ins. Samoa* **6** (5): 223 Fig. 3.

Distribution: Samoa.

18. Genus: **PLAGIOSTENOPTERINA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* **157**: 46. Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 12.

Type species: *Dacus aeneus* Wiedemann, 1819.

\*1. **P. aenea** (Wied., 1819)

*Dacus aeneus* Wiedemann, 1819 *Zool. Mag.* **3**: 29; 1830 *Ausz. zweifl.* **2**: 512.

*Plagiostenopterina aenea* (Wied., 1819) Hendel, 1914b :54; 1914a :48. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 107. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 353; 1939 *ibid* **64**: 114.

Distribution: Java; Krakatau; Sumatra; Borneo; Philippines; New Guinea; Queensland (Aust.); Bismarck Archipelago; Ceylon; India; Taiwan.

A wide-spread common species. See *Meringomeria* Enderlein, 1924 (Genus No. 18a).

2. **P. armata** Malloch, 1931

*Plagiostenopterina armata* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 20.

Distribution: Philippines.

\*3. **P. basalis** (Walk., 1849)

*Dacus basalis* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072. Bezzi, 1913 *Mem. Indian Mus.* **3**: (No. 29).

*Plagiostenopterina basalis* (Walker, 1849) Hendel, 1914b :64; 1914a :49. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 164.

Distribution: Northern Territory (Australia).

4. **P. calcarata** (Macq., 1843)

*Herina calcarata* Macquart, 1843 *Dipt. exot.* **2**: 207 Pl. 28, Fig. 3.

*Plagiostenopterina calcarata* (Macq., 1843) Hendel, 1914b :63; 1914a :49. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 20.

Distribution: Indonesia; Philippines.

5. **P. diptera** Malloch, 1931

*Plagiostenopterina diptera* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 18.

Distribution: Philippines.

6. **P. discolor** Malloch, 1931

*Plagiostenopterina discolor* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 21.

Distribution: Philippines.

7. **P. dubiosa** Malloch, 1931

*Plagiostenopterina dubiosa* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 15.

Distribution: Philippines; Ceylon; Singapore.

8. **P. egregia** de Meijere, 1924

*Plagiostenopterina egregia* de Meijere, 1924 *Tijd. Ent.* **67** (Suppl.): 41.

Distribution: Sumatra.

\*9. **P. enderleini** Hendel, 1914

*Plagiostenopterina enderleini* Hendel, 1914b :56; 1914a :49. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 108. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 114 Pl. 4, Fig. 14.

Distribution: New Guinea; Sumatra; Ceylon.

10. **P. farinosa** Hendel, 1914

*Plagiostenopterina farinosa* Hendel, 1914b :68; 1914a :49.

Distribution: Moluccas.

11. **P. hebes** Hendel, 1914

*Plagiostenopterina hebes* Hendel, 1914b :70; 1914a :49.

Distribution: Singapore.

12. **P. imitans** (Walk., 1860)

*Dacus imitans* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 150. Bezzi, 1913 *Mem. Indian Mus.* **3**: 73 (No. 132).

*Plagiostenopterina imitans* (Walk., 1860) Hendel, 1914a :49. Hardy, 1959 *Bull. Brit. Mus (nat. Hist.) Ent.* **8** (15): 175.

Distribution: Celebes.

13. **P. inapta** (Walk., 1860)

*Dacus inaptus* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 151. Bezzi, 1913 *Mem. Indian Mus.* **3**: 73 (No. 135).

*Plagiostenopterina inapta* (Walk., 1860) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 175.

Distribution: Celebes.

14. **P. inermis** Malloch, 1931

*Plagiostenopterina inermis* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 21.

Distribution: Philippines.

\*15. **P. lativentris** (Walk., 1859)

*Dacus lativentris* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 144).



*Plagiostenoptera orbitalis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 114 Pl. 4, Fig. 15. *Plagiostenoptera lativentris* (Walk., 1859) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 177.

Distribution: New Guinea.

16. **P. longivitta** (Walk., 1859)

*Dacus longivitta* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 158).

*Plagiostenoptera longivitta* (Walk., 1859) Hendel, 1914a :49. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 108. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 178.

Distribution: Aru Islands; India.

17. **P. marginata** (v. d. Wulp, 1880)

*Senoptera marginata* v. d. Wulp, 1880 *Tijd. Ent.* **23**: 179 Pl. 10, Fig. 13.

*Plagiostenoptera marginata* (v. d. Wulp, 1880) Hendel, 1914b :66; 1914a :49.

Distribution: Java; China.

See *Meringomeria* Enderlein, 1924 (Genus No. 18a).

18. **P. medionotata** de Meijere, 1924

*Plagiostenoptera medionotata*, 1924 *Tijd. Ent.* **67** (Suppl.): 40.

Distribution: Sumatra.

19. **P. neurostigma** Bezzi, 1928

*Plagiostenoptera neurostigma* Bezzi, 1928 *Diptera . . . Fiji Islands* :89.

Distribution: Fiji.

20. **P. nigricostata** (Doleschall, 1858)

*Herina nigricostata* Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 126.

*Plagiostenoptera nigricostata* (Dol., 1858) Hendel, 1914b :70; 1914a :49.

Distribution: Moluccas.

21. **P. pallidipes** Frey, 1930

*Plagiostenoptera pallidipes* Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.

Distribution: Philippines.

\*22. **P. parva** Mall., 1931

*Plagiostenoptera parva* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 15; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 114.

Distribution: New Guinea.

23. **P. plagiata** (Bezzi, 1917)

*Elassogaster plagiata* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 135. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

*Plagiostenopterina plagiata* (Bezzi, 1917) Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 19.

Distribution: Philippines.

24. **P. planidorsum** (Walker, 1860)

*Charax planidorsum* Walker, 1860 *Trans. ent. Soc. Lond.* **5**: 325. Hendel, 1914b :53 (footnote).

*Plagiostenopterina planidorsum* (Walker, 1860) Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.

Distribution: Philippines; Burma.

25. **P. rutila** Hendel, 1914

*Plagiostenopterina rutila* Hendel, 1914b :61; 1914a :49.

Distribution: Lombok.

26. **P. samoensis** Malloch, 1930

*Plagiostenopterina samoensis* Malloch, 1930 *Ins. Samoa* **6** (5): 230; 1931 *Proc. U.S. nat. Mus.* **78** (15): 15.

Distribution: Samoa.

27. **P. trivittata** (Walk., 1849)

*Dacus trivittatus* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072. Bezzi, 1913 *Mem. Indian Mus.* **3**: 80 (No. 266).

*Plagiostenopterina trivittata* (Walk., 1849) Hendel, 1914b :65; 1914a :49. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 183.

Distribution: Singapore; Malacca; Hongkong; Philippines.

See *Meringomeria* Enderlein, 1924 (Genus No. 18A).

28. **P. trivittigera** Malloch, 1931

*Plagiostenopterina trivittigera* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 17.

Distribution: Singapore.

18A. Genus: ?**MERINGOMERIA** Enderlein, 1924

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 108.

Type species: *Dacus trivittatus* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072.

The status of this genus is doubtful. It was erected by Enderlein in 1924 for four species. Three of these he transferred from *Plagiostenoptera*, namely *P. trivittata* (Walker, 1849); *P. marginata* (v. d. Wulp, 1880); and *P. aenea* Hendel (sic), 1914. The latter species is unknown to me; it is possibly a *lapsus calami* for *P. aenea* (Wied., 1819). The fourth species was *Meringomeria interrupta* Enderlein, 1924, which he described from Sikkim in India—Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 109. This genus is inserted here to draw attention to the need for a thorough investigation of the four species. It is probable that all four will eventually be placed in *Plagiostenoptera*.

18B. Genus: ?**PERONOTROCHUS** Enderlein, 1924

This genus was erected by Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 109 for the single species *Plagiostenoptera calcarata* (Macq., 1843). The status of the genus is in doubt.

Frey, 1930 (*Notul. ent. Helsingf.* **10**: 52) accepted the genus as valid and described the following species:

1. **P. inermis** Frey, 1930

*Peronotrochus inermis* Frey, 1930 *Notul. ent. Helsingf.* **10**: 52.

Distribution: Philippines.

18C. Genus: **IMUGANA** Enderlein, 1937

Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 435.

Type species: *Imugana pompiliformis* Enderlein, 1937.

1. **I. metallica** Enderlein, 1937

*Imugana metallica* Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 436.

Distribution: Philippines.

2. **I. pompiliformis** Enderlein, 1937

*Imugana pompiliformis* Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 435.

Distribution: Philippines.

19. Genus: **ELASSOGASTER** Bigot, 1859

Bigot, 1859 *Ann. Soc. ent. Fr.* (Ser. 3) **8**: 546.

Type species: *Elassogaster metallicus* Bigot, 1859.

\*1. **E. albopilosus** de Meijere, 1915

*Elassogaster albopilosus* de Meijere, 1915 *Tijd. Ent.* **58**: 133.

Distribution: New Guinea.

\*2. **E. didymoides** Hendel, 1914

*Elassogaster didymoides* Hendel, 1914b :76; 1914a :52. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: New Guinea.

\*3. **E. didymus** (Osten-Sacken, 1881)

*Senopterina didyma* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 465.

*Elassogaster didymus* (Osten-Sacken, 1881) Hendel, 1914b :75; 1914a :51. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 116.

Distribution: New Guinea.

\*4. **E. evitta** Malloch, 1939

*Elassogaster evitta* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 116 Pl. 4, Fig. 16.

Distribution: New Britain.

5. **E. flavipes** (Schiner, 1868)

*Senopterina flavipes* Schiner, 1868 *Novara Dipt.* :288.

*Elassogaster flavipes* (Schiner, 1868) Hendel, 1914b :78; 1914a :52.

Distribution: Singapore.

6. **E. hyalipennis** Malloch, 1931

*Elassogaster hyalipennis* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 23.

Distribution: Philippines.

\*7. **E. lineatus** de Meijere, 1915

*Elassogaster lineatus* de Meijere, 1915 *Tijd. Ent.* **58**: 132.

Distribution: New Guinea.

\*8. **E. marginalis** Malloch, 1940

*Elassogaster marginalis* Malloch, 1940 *Ann. Mag. nat. Hist* **6**: 68.

Distribution: Solomon Islands.

\*9. **E. nigripes** Malloch, 1940

*Elassogaster nigripes* Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 70.

Distribution: Solomon Islands.

10. **E. potens** Frey, 1930

*Elassogaster potens* Frey, 1930 *Notul. ent. Helsingf.* **10**: 52.

Distribution: Philippines.

\*11. **E. sepsoides** (Walker, 1861)

*Dacus sepsoides* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 163. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 236).

*Elassogaster sepsoides* (Walker, 1861) Hendel, 1914b :82; 1914a :52. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351 Fig. 4. Frey, 1930 *Notul. ent. Helsingf.* **10**: 52. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 22; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 115. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: New Guinea; Taiwan; Amboina; Ceylon; Queensland (Australia).

12. **E. signatipes** (Walker, 1861)

*Dacus signatipes* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 163.

*Elassogaster signatipes* (Walker, 1861) Hendel, 1914a :52. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 239). Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Amboina.

13. **E. simplex** Frey, 1930

*Elassogaster simplex* Frey, 1930 *Notul. ent. Helsingf.* **10**: 53.

Distribution: Philippines.

\*14. **E. sordidus** (Walker, 1861)

*Dacus sordidus* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 251. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 244).

*Dacus variabilis* Walker, 1865 Bezzi, 1913 *ibid.* **3**: 79 (No. 275). *Elassogaster sordidus* (Walker, 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 182.

Distribution: New Guinea.

*Dacus variabilis* Walker, 1865 is a synonym of *Dacus sordidus* Walker, 1861. Hendel, 1914a *Gen. Ins.* **157**: 52 refers to it as *Elassogaster variabilis* (Walker, 1865). Hardy, 1959 showed the synonymy.

\*15. **E. terrae-reginae** Malloch, 1928

*Elassogaster terrae-reginae* Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 352;  
1931 *Proc. U.S. nat. Mus.* **78** (15): 22; 1939 *Proc. Linn. Soc. N.S.W.*  
**64**: 116.

Distribution: Queensland; New South Wales (Australia).

19A. Genus: **PICROMETOPUS** Frey, 1930 (Monotypic)  
Frey, 1930 *Notul. ent. Helsingf.* **10**: 53.

Type species: *Picrometopus bicolor* Frey, 1930.

1. **P. bicolor** Frey, 1930

*Picrometopus bicolor* Frey, 1930 (*loc. cit.*).

Distribution: Philippines.

20. Genus: **MICROEPICAUSTA** Hendel, 1914 (Monotypic)  
Hendel, 1914a *Gen. Ins.* **157**: 52.

Type species: *Microepicausta gracilis* Hendel, 1914.

\*1. **M. gracilis** Hendel, 1914

*Microepicausta gracilis* Hendel, 1914b :85; 1914a :52.

Distribution: New South Wales (Australia).

21. Genus: **SCELOSTENOPTERINA** Hendel, 1914 (Monotypic)  
Hendel, 1914a *Gen. Ins.* **157**: 54.

Type species: *Scelostenopterina femorata* Hendel, 1914.

1. **S. femorata** Hendel, 1914

*Scelostenopterina femorata* Hendel, 1914b :86; 1914a :55. Bezzi, 1917  
*Philippine J. Sci. (D)* **12**: 136. Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.  
Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 24.

Distribution: Sula Islands (Indonesia); Philippines.

21A. Genus: **MINDANAIA** Malloch, 1931 (Monotypic)  
Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 25.

Type species: *Mindanaia latifasciata* Malloch, 1931.

1. **M. latifasciata** Malloch, 1931

*Mindanaia latifasciata* Malloch, 1931 *ibid* **78** (15): 25.

Distribution: Philippines.

22. Genus: **ICTERACANTHA** Hendel, 1912

Hendel, 1912 *Supp. Ent. Berlin* **1**: 14.

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 112.

Type species: *Trypeta chalybeiventris* Wiedemann, 1830.

1. **I. chalybeiventris** (Wied., 1830)

*Trypeta chalybeiventris* Wiedemann, 1830 *Auss. zweifl. Ins.* **2**: 479.

*Dacus bicolor* Walk., 1849 *List Dipt. Brit. Mus.* **4**: 1071.

*Dacus bicolor* Walk., 1849 Bezzi, 1913 *Mem. Indian Mus.* **3**: 68 (No. 52).

*Trypeta chalybeiventris* Wied. 1830 Bezzi, 1913 *ibid* **3**: 69 (No. 52).

*Icteracantha chalybeiventris* (Wied., 1830) Hendel, 1914b :87; 1914a :55.

Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 165.

Distribution: Type locality unknown.

2. **I. cyaneiventris** (v. d. Wulp, 1881)

*Herina cyaneiventris* v. d. Wulp, 1881 *Dipt. Sumatra Exp. Leiden*: 51 Pl. 3, Fig. 6.

*Scelacanthina cyaneiventris* (v. d. Wulp, 1881) Enderlein, 1912 *Zool. Jahrb.* **33**: 349.

*Icteracantha cyaneiventris* (v. d. Wulp, 1881) Hendel, 1914b :88; 1914a :55.

Distribution: Sumatra.

23. Genus: **DUOMYIA** Walker, 1849

Walker, 1849 *List Dipt. Brit. Mus.* **4**: 800. Hendel, 1914a, *Gen. Ins.* **157**: 56. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 350; **54**: 506.

Type species: *Duomyia obscura* Walker, 1849.

\*1. **D. annulipes** Hendel, 1914

*Duomyia annulipes* Hendel, 1914b :98; 1914a :57.

Distribution: Western Australia.

\*2. **D. azurea** Hendel, 1914

*Duomyia azurea* Hendel, 1914b :97; 1914a :57.

Distribution: Western Australia.

\*3. **D. decora** (Macq., 1846)

*Senopterina decora* Macquart, 1846 *Dipt. exot. Supp.* 1: 208 Pl. 18, Fig. 10.

*Ortalis punctifrons* Macquart, 1847 *ibid Supp.* 3: 61 Pl. 7, Fig. 4.

*Duomyia decora* (Macq., 1846) Hendel, 1914b :95; 1914a :57. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 112. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 510.

Distribution: New South Wales (Australia).

4. **D. fidschiensis** Enderlein, 1924

*Duomyia fidschiensis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 112.

Bezzi, 1928 *Dipt. Fiji*: 91.

Distribution: Fiji.

5. **D. grandis** (Schiner), 1868

*Senopterina grandis* Schiner, 1868 *Novara Dipt.*: 289.

*Duomyia grandis* (Schiner), 1868 Hendel, 1914b :95; 1914a :57.

Distribution: Chile (*sic.*).

\*6. **D. irregularis** Malloch, 1929

*Duomyia irregularis* Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 509 Fig. 16.

Distribution: Northern Australia.

\*7. **D. laeta** (Walk., 1849)

*Lamprogaster laeta* Walker, 1849 *List Dipt. Brit. Mus.* 4: 805.

*Duomyia laeta* (Walk., 1849) Hendel, 1914b :96; 1914a :58.

Distribution: Australia (*sic.*).

See *Lamprogaster laeta* (Guerin, 1830).

\*8. **D. maculipennis** Hendel, 1914

*Duomyia maculipennis* Hendel, 1914b :93; 1914a :58. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 511 Fig. 2C.

Distribution: Queensland; New South Wales (Australia).

\*9. **D. mithrax** Hendel, 1914

*Duomyia mithrax* Hendel, 1914b :92; 1914a :58.

Distribution: Queensland (Australia).

\*10. **D. nigricosta** Malloch, 1929

*Duomyia nigricosta* Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 511.

Distribution: Queensland (Australia).



\*11. **D. nigripes** (Macq., 1850)

*Senopterina nigripes* Macquart, 1850 *Dipt. exot. Supp.* **4**: 283 Pl. 26, Fig. 6.

*Urophora nigripes* (Macquart, 1851) *Mem. Soc. Sci. Lille*: 260 Pl. 26, Fig. 13.

*Urophora nigripes* (Macquart, 1851) Bezzi, 1913 *Mem. Indian Mus.* **3**: 76 (No. 184).

*Duomyia nigripes* (Macq., 1851) Hendel, 1914a :102.

Distribution: Tasmania (?).

\*12. **D. obscura** Walker, 1849

*Duomyia obscura* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 800.

*Senopterina gigas* Macquart, 1850 *Dipt. exot. Supp.* **4**: 282 Pl. 26, Fig. 4.

*Duomyia obscura* Walk., 1849 Hendel, 1914b :90; 1914a :58. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351; 1929 *ibid* **54**: 510.

Distribution: Queensland; New South Wales (Australia).

\*13. **D. punctifrons** Malloch, 1929

*Duomyia punctifrons* Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 510.

Distribution: New South Wales (Australia).

\*14. **D. scutellaris** (Macq., 1850)

*Senopterina scutellaris* Macquart, 1850 *Dipt. exot. supp.* **4**: 282 Pl. 26, Fig. 5.

*Duomyia scutellaris* (Macq., 1850) Hendel, 1914b :102.

Distribution: New South Wales (Australia).

\*15. **D. sericea** Hendel, 1914

*Duomyia sericea* Hendel, 1914b :99; 1914a :58.

Distribution: Queensland (Australia).

\*16. **D. spinifemorata** Malloch, 1929

*Duomyia spinifemorata* Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 508 Figs. 1a, 1b.

Distribution: Northern Territory (Australia).

\*17. **D. thalassina** Walker, 1849

*Duomyia thalassina* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 801. Hendel, 1914b :92; 1914a :58. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 112. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 511.

Distribution: Queensland (Australia).

\*18. **D. tomentosa** Hendel, 1914

*Duomyia tomentosa* Hendel, 1914b :100; 1914a :58. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 507 Fig. 2b.

Distribution: Queensland (Australia).

NOTE: Evidence favours the opinion that this genus is confined to the Australian mainland. No species have been recorded from New Guinea or New Zealand, and there is no authentic record of any from Tasmania. The four species, *D. grandis* Schiner 1868, *D. fidschiensis* Enderlein 1924, *D. nigripes* (Macq. 1850) and *D. scutellaris* (Macq. 1850), which have been recorded from other places, are all suspect in varying degrees.

The status of *D. grandis* is extremely doubtful. It was described by Schiner from *Novara* material labelled "Chile". It is the only *Duomyia* ever to have been recorded from South America, and the species has never been recorded since. Hendel (A) queried the type locality; Malloch (1928) suggested that the species did not belong to *Duomyia*. Malloch's suggestion appears to be much the more probable. Were *D. grandis* an Australian species wrongly labelled as having been collected in Chile, it is not unreasonable to expect that it would since have been recorded from Australia, which it has not. If, on the contrary, it is a member of a South American genus superficially resembling *Duomyia* then all difficulties disappear.

*D. fidschiensis* may be an introduction from Australia into Fiji, and the name is possibly a synonym; alternatively, the species may not belong to *Duomyia*. Some of Enderlein's work is marred by superficiality and lack of a critical approach, and decisions arrived at by him have often been shown to be wrong by later workers. A detailed examination of the type of *D. fidschiensis*, and a careful comparison with all known species of *Duomyia*, will have to be undertaken before finality can be arrived at.

*D. nigripes* and *D. scutellaris* were collected by the Verreaux brothers, between 1842 and 1846, for the Musée d'Histoire Naturelle de Paris. They formed part of the 140 species of Diptera described by Macquart in the fourth supplement of his *Diptères Exotiques*. The type locality of all the material was given as "Tasmania". It is significant that these are the only species of *Duomyia* ever to be recorded from Tasmania. Hardy (1929, *Proc. Linn. Soc. N.S.W.* **54**: 61-64), assembled evidence which strongly suggests that all 140 species were collected in a coastal area round Sydney, New South Wales. The types are no longer in existence. Hendel (B) merely quotes Macquart's descriptions *verbatim* with the comment "Die Arten *D. nigripes* Macquart und *scutellaris* Macquart konnten nicht in die Tabelle aufgenommen werden." Malloch (1928, 1929) mentions neither in his revisions of the genus.

There can be little doubt that species yet await description, particularly in Western Australia.

25. Genus: **PSEUDEPICAUSTA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* 157: 62; 1914b :112. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 118.

Type species: *Herina chalybea* Doleschall, 1858.

\*1. **P. angulata** Hendel, 1914

*Pseudepicausta angulata* Hendel, 1914b :118. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26; 1939 *Proc. Linn. Soc. N.S.W.* 64: 119.

Distribution: New Guinea; Celebes.

\*2. **P. apicalis** Malloch, 1939

*Pseudepicausta apicalis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 119 Pl. 4, Fig. 17.

Distribution: New Guinea.

3. **P. bataviensis** (Schiner, 1868)

*Senopterina bataviensis* Schiner, 1868 *Novara Dipt.* :288.

*Pseudepicausta bataviensis* (Schiner, 1868) Hendel, 1914b :115; 1914a :64. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26.

Distribution: Java.

\*4. **P. chalybea** (Doleschall, 1858)

*Herina chalybea* Doleschall, 1858 *Nat. Tijd. Ned. Ind.* 17: 125.

*Dacus obtrudens* Walker, 1859 *J. Proc. Linn. Soc. Lond.* 3: 116. Bezzi, 1913 *Mem. Indian Mus.* 3: 76 (No. 191).

*Pseudepicausta chalybea* (Dol., 1858) Hendel, 1913 *Gen. Platy.* Figs. 119, 120; 1914b :113; 1914a :64 Pl. 6, Figs. 119, 120. Bezzi, 1917 *Philippine J. Sci.* (D) 12: 136. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Frey, 1930 *Notul. ent. Helsingf.* 10: 54. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26; 1939 *Proc. Linn. Soc. N.S.W.* 64: 118. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 179.

Distribution: Amboina; Ternate; Deslac and Nusa Islands; Sunda Islands; New Guinea.

5. **P. contrahens** (Walker, 1860)

*Dacus contrahens* Walker, 1860 *J. Proc. Linn. Soc. Lond.* 4: 151. Bezzi, 1913 *Mem. Indian Mus.* 3: 69 (No. 62).

*Pseudepicausta contrahens* (Walk., 1860) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 168.

Distribution: Macassar.

\*6. **P. detrudens** (Walker, 1865)

*Dacus detrudens* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 135. Bezzi, 1913 *Mem. Indian Mus.* **3**: 70 (No. 77).

*Pseudepicausta detrudens* (Walk., 1865) Hendel, 1914a :64; 1914b :113. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 169.

Distribution: Indonesia; Salawatty Is. (New Guinea).

Both Hendel and Hardy found differences between the assumed type and Walker's description. There is some uncertainty as to whether Walker's specimen labelled "? type" was the specimen on which he based his description.

7. **P. exigens** (Walker, 1860)

*Dacus exigens* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 151. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71 (No. 95).

*Pseudepicausta exigens* (Walk., 1860) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 171.

Distribution: Macassar.

8. **P. experta** (Walker, 1862)

*Dacus expertus* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71 (No. 97).

*Pseudepicausta experta* (Walk., 1862) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 171.

Distribution: Halmahera Is. (Moluccas).

9. **P. geniculata** (v. d. Wulp, 1898)

*Senopterina geniculata* v. d. Wulp, 1898 *Tijd. Ent.* **41**: 206. de Meijere, 1911 *Tijd. Ent.* **54**: 369.

*Pseudepicausta geniculata* (v. d. Wulp, 1898) Hendel, 1914a :64; 1914b :114.

Distribution: Java.

10. **P. limpidipennis** (Doleschall, 1858)

*Herina limpidipennis* Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 126.

*Pseudepicausta limpidipennis* (Dol., 1858) Hendel, 1914a :64; 1914b :117.

Distribution: Amboina.

\*11. **P. mutilloides** (Walker, 1859)

*Dacus mutilloides* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi, 1913 *Mem. Indian Mus.* **3**: 76 (No. 176).

*Pseudepicausta mutilloides* (Walk., 1859) Hendel, 1914a :64; 1914b :116. Frey, 1930 *Notul. ent. Helsingf.* **10**: 54. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119 ("multilloides") (*sic.*). Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 178.

Distribution: New Guinea.

\*12. **P. pompiloides** (Walker, 1859)

*Dacus pompiloides* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 116. Bezzi, 1913 *Mem. Indian Mus.* **3**: 77 (No. 210).

*Pseudepicausta lagarosia* Hendel, 1914a :64; 1914b :118. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 118.

*Pseudepicausta pompiloides* (Walk., 1859) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 180.

Distribution: New Guinea.

*P. pompiloides* was the species described by Hendel as new under the name of *P. lagarosia*. Hardy showed the synonymy.

13. **P. quadrisetosa** (de Meijere, 1911)

*Senopterina quadrisetosa* de Meijere, 1911 *Tijd. Ent.* **54**: 368.

*Pseudepicausta quadrisetosa* (de Meij., 1911) Hendel, 1914a :64; 1914b :115.

Distribution: Java.

\*14. **P. solocifemur** Enderlein, 1924

*Pseudepicausta solocifemur* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 115.

Distribution: New South Wales (Australia).

\*15. **P. wallacei** Hendel, 1914

*Pseudepicausta wallacei* Hendel, 1914b :117; 1914a :64. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119.

Distribution: New Guinea.

26. Genus: **SCOTINOSOMA** Loew, 1873

Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 45.

Type species: *S. bistrigata* Hendel, 1914.

In 1873, Loew summarized the characters of his new genus, *Scotinosoma* but named no species nor designated a type species. *S. bistrigata* hence became the type species by subsequent designation by Hendel in 1914.

Hendel, 1914a :65; 1914b :120. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

\*1. **S. attenuata** (Malloch, 1931)

*Pseudepicausta attenuata* Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 27.

*Scotinosoma attenuata* (Malloch, 1931) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

Malloch first placed this species and No. 3 in *Pseudepicausta* but later transferred them to *Scotinosoma*.

\*2. **S. bistrigata** Hendel, 1914

*Scotinosoma bistrigata* Hendel, 1914b :120; 1914a :65. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

\*3. **S. completa** (Malloch, 1931)

*Pseudepicausta completa* Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 27.

*Scotinosoma completa* (Malloch, 1931) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

\*4. **S. erasa** Malloch, 1939

*Scotinosoma erasa* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

5. **S. typicum** Bezzi, 1917

*Scotinosoma typicum* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 136. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

26A. Genus: **GUAMOMYIA** Malloch, 1942 (Monotypic)

Type species: *Guamomyia fascipennis* Malloch, 1942.

Malloch, 1942 *Insects of Guam B. P. Bishop Mus. Bull.* **172**: 206, Fig. 3.

1. **G. fascipennis** Malloch, 1942 *ibid*

Distribution: Guam.

27. Genus: **RHYTIDORTALIS** Hendel, 1914

Hendel, 1914b :121; 1914a :66. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Type species: *Rhytidortalis cribrata* Hendel, 1914.

\*1. **R. rugifrons** (Thomson, 1868)

*Senopterina rugifrons* Thomson, 1868 *Dipt. Eugen. Resa*: 577.

*Rhytidortalis rugifrons* (Thomson, 1868) Hendel, 1914b :122; 1914a :68.  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: Australia (*sic.*).

Two species only have so far been recorded. The type species is from Taiwan.

27A. Genus: **CLEITAMOIDES** Malloch, 1939

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Type species: *Cleitamoides kerteszi* (Hendel, 1914).

\*1. **C. kerteszi** (Hendel, 1914)

*Cleitamia kerteszi* Hendel, 1914b :130. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 117.

*Cleitamoides kerteszi* (Hendel, 1914) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107.

Distribution: New Guinea.

\*2. **C. latifascia** (Walker, 1859)

*Dacus latifascia* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 114. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 146).

*Cleitamia latifascia* (Walk., 1859) Edwards, 1915 *Trans. Zool. Soc. Lond.* **20**: 415.

*Cleitamoides latifascia* (Walk., 1859) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107. Hardy, 1959 *Bull. Brit. Mus (nat. Hist.) Ent.* **8** (5): 177.

Distribution: New Guinea.

\*3. **C. liturata** (Walker, 1861)

*Dacus lituratus* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 251.

*Cleitamia liturata* (Walk., 1861) Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 468. de Meijere, 1913 *Nov. Guin.* **9**: 375. Hendel, 1914a :73; 1914b :129.

*Cleitamoides liturata* (Walk., 1861) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 178.

Distribution: New Guinea.

30. Genus: **CLEITAMIA** Macquart, 1835

Macquart, 1835 *Suites à Buffon* 2: 440. Hendel, 1914a *Gen. Ins.* 157:

71. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 107.

Type species: *Ortalis astrolabei* Boisduval, 1833.

\*1. **C. amabilis** Osten-Sacken, 1881

*Cleitamia amabilis* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* 16:

468. Hendel, 1914b :127; 1914a :72. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 109.

Distribution: New Guinea.

\*2. **C. astrolabei** (Boisduval, 1833)

*Ortalis astrolabei* Boisduval, 1833 *Voy. Astrolabe* :688 Pl. 12, Fig. 17.

*Cleitamia astrolabei* (Boisd., 1833) Macquart, 1833 *Suites à Buffon* :440

Pl. 19, Fig. 4. de Meijere, 1913 *Nov. Guin.* 9: 375. Hendel, 1914a :72; 1914b :125. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 109 Pl. 4, Fig. 8.

Distribution: New Guinea.

\*3. **C. biarcuata** (Walker, 1865)

*Poticara biarcuata* Walker, 1865 *J. Proc. Linn. Soc. Lond.* 8: 133.

*Cleitamia biarcuata* (Walk., 1865) Hendel, 1914b :133; 1914a :73.

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 110.

Distribution: New Guinea.

\*4. **C. catharinae** de Meijere, 1913

*Cleitamia catharinae* de Meijere, 1913 *Bijdr. Dierk.* 19: 63; 1915 *Tijd. Ent.*

58: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 107 (footnote).

Distribution: New Guinea.

In his 1915 paper, de Meijere synonymized his species with *Poticara* (= *Cleitamia*) *tricurvata* Walker, 1864. Malloch (1939) pointed out that there were considerable differences in the descriptions of the two species. In view of these, he accepted both *catharinae* and *tricurvata* as distinct until both types had been compared. So far as I know this has not yet been done, but the two descriptions differ sufficiently for *catharinae* to be regarded as a valid species until the contrary is shown.

\*5. **C. cheesmanae** Malloch, 1939

*Cleitamia cheesmanae* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 110 Pl.

4, Fig. 10.

Distribution: West Irian (formerly Dutch New Guinea).



\*6. **C. cyclops** Malloch, 1939

*Cleitamia cyclops* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110 Pl. 4, Fig. 9.

Distribution: West Irian (formerly Dutch New Guinea).

\*7. **C. delandi** Malloch, 1939

*Cleitamia delandi* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 111 Pl. 4, Fig. 12.

Distribution: New Guinea.

\*8. **C. excepta** Malloch, 1939

*Cleitamia excepta* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 111 Pl. 4, Fig. 11.

Distribution: West Irian (formerly Dutch New Guinea).

\*9. **C. gestroi** Kertész, 1899

*Cleitamia gestroi* Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 566 Pl. 7, Fig. 8. Hendel, 1914a :73; 1914b :133. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

\*10. **C. insignis** de Meijere, 1915

*Cleitamia insignis* de Meijere, 1915 *Tijd. Ent.* **58**: 128 Pl. 1, Fig. 14. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

\*11. **C. orthocephala** Hendel, 1914

*Cleitamia orthocephala* Hendel, 1914b :126; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

\*12. **C. ostensackeni** Kertész, 1898

*Cleitamia ostensackeni* Kertész, 1898 *Term. Fiiz.* **21**: 494; 1899 *Ann. Mus. Stor. nat. Genova* **19**: 563 Pl. 7, Fig. 5. Hendel, 1914b :131; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

\*13. **C. rivellioides** Osten-Sacken, 1881

*Cleitamia rivellioides* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 469. Kertész, 1899 *Ibid* **19**: 564 Pl. 7, Fig. 6. Hendel, 1914b :130; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

\*14. **C. roderi** Kertész, 1899

*Cleitamia roderi* Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 565 Pl. 7, Fig. 7. Hendel, 1914a :73; 1914b :132. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

\*15. **C. similis** Kertész, 1899

*Cleitamia similis* Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 652 Pl. 7, Fig. 4. Hendel, 1914a :73; 1914b :128. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

\*16. **C. tricurvata** (Walker, 1864)

(See *C. catharinae* de Meijere, 1913).

*Poticara tricurvata* Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 227.

*Cleitamia tricurvata* (Walk., 1864) Hendel, 1914a :73; 1914b :33. de Meijere, 1915 *Tijd. Ent.* **58**: 129. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

\*17. **C. trigonalis** de Meijere, 1913

*Cleitamia trigonalis* de Meijere, 1913 *Nov. Gmin.* **9**: 375; 1915 *Tijd. Ent.* **58**: 129. Hendel, 1914a :73; 1914b :130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

30A. Genus: **XENOGNATHUS** Malloch, 1930

Malloch, 1930 *Ins. Samoa* **6** (5): 225.

Type species: *Xenognathus bryani* Malloch, 1930.

1. **X. bryani** Malloch, 1930

*Xenognanthus bryani* Malloch, 1930 *Ins. Samoa* **6** (5): 226 Figs. 4, 5.

Distribution: Samoa.

2. **X. inermis** Malloch, 1930

*Xenognanthus inermis* Malloch, 1930 *Ins. Samoa* **6** (5): 228 Fig. 6.

Distribution: Samoa.

31. Genus: **LAGLAISIA** Bigot, 1880

Bigot, 1880 *Ann. Soc. ent. France* (5th Ser.) **10**: 92.

Type species: *L. caloptera* Bigot, 1880.

\*1. **L. biroi** Hendel, 1914

*Laglaisia biroi* Hendel, 1914b :136; 1914a :75. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

\*2. **L. caloptera** Bigot, 1880

*Laglaisia caloptera* Bigot, 1880 *Ann. Soc. ent. France* (5th Ser.), **10**: 92. Hendel, 1914a :75; 1914b :134. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

\*3. **L. fascipennis** de Meijere, 1915

*Laglaisia fascipennis* de Meijere, 1915 *Tijd. Ent.* **58**: 134 Pl. 1, Fig. 15. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

\*4. **L. kochi** de Meijere, 1907

*Laglaisia kochi* de Meijere, 1907 *Tijd. Ent.* **50**: 120 Pl. 4, Fig. 1; 1913 *Nov. Guin.* **9**: 374. Hendel, 1914a :75; 1914b :135. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

\*5. **L. stylops** Enderlein, 1924

*Laglaisia stylops* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

\*6. **L. telescopica** Enderlein, 1924

*Laglaisia telescopica* Enderlein, 1924 *Mitt. Zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

32. Genus: **LORIOMYIA** Kertész, 1899 (Monotypic)

Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **39**: 567.

Type species: *L. guttipennis* Kertész, 1899.

\*1. **L. guttipennis** Kertész, 1899

*Loriomyia guttipennis* Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **39**: 567. Hendel, 1914a :75; 1914b :137. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

35. Genus: **LOXONEUROIDES** Hendel, 1914 (Monotypic)  
Hendel, 1914b :141.

Type species: *L. varipennis* Hendel, 1914.

\*1. **L. varipennis** Hendel, 1914

*Loxoneuroides varipennis* Hendel, 1914b :141; 1914a :80.

Distribution: Australia (*sic.*).

38. Genus: **POGONORTALIS** de Meijere, 1911  
de Meijere, 1911 *Tijd. Ent.* **54**: 370.

Type species: *Trypeta doclea* Walker, 1849.

\*1. **P. commoni** Paramonov, 1957

*Pogonortalis commoni* Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 780.

Distribution: Western Australia.

This species was described from a single specimen (♂) caught at Albany, Western Australia. No other specimens have been recorded.

\*2. **P. doclea** (Walker, 1849)

*Trypeta doclea* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1035.

(Syn.) *P. barbata*, *P. barbifera* Hendel, 1914a :84; 1914b :144.

*Pogonortalis barbifera* Hendel, 1914 Bezzi, 1913 *Mem. Indian Mus.* **3**: 71  
(No. 87). Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 612.

*Pogonortalis doclea* (Walk. 1849) Malloch, 1930 *ibid* **55**: 429; 1939 *ibid* **55**: 429; 1939 *ibid* **64**: 120. Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 779. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 213.

Distribution: All Australian States except Tasmania.

3. **P. fulvofemoralis** Malloch, 1942

*Pogonortalis fulvofemoralis* Malloch, 1942 *Bernice P. Bishop Mus. Bull.* **172**: 205.

Distribution: Guam.

\*4. **P. howei** Paramonov, 1957

*Pogonortalis howei* Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 780.

Distribution: Lord Howe Island (Australia).

\*5. **P. similis** Hendel, 1914

*Pogonortalis similis* Hendel, 1914b :143; 1914a :85. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

Distribution: New Guinea.

\*6. **P. uncinata** de Meijere, 1911

*Pogonortalis uncinata* de Meijere, 1911 *Tijd. Ent.* **54**: 370. Hendel, 1914a :85; 1914b :145. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119 (included in key but no further details).

*Plagiosteoptera aberrans* (Frey, 1930) Hennig, 1941 *Arb. morph. taxon. Ent. Berl.* **7**: 315.

Distribution: Java.

39. Genus: **RIVELLIA** Robineau-Desvoidy, 1830

Robineau-Desvoidy, 1830 *Essai Myodaires* :729.

Type species: *Musca syngenesiae* Fabricius, 1781 (The type species is of European origin).

Curran, 1934 *N. Amer. Dipt.* :281. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

1. **R. abana** Curran, 1929

*Rivellia abana* Curran, 1929 *Amer. Mus. Nov. No.* **339**: 11.

Distribution: New Caledonia.

2. **R. aequifera** (Walker, 1862)

*Ortalis aequiferus* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 15.

*Rivellia aequifera* (Walk., 1862) Hendel, 1914a :89; 1914b :182.

Hendel regarded this species as doubtful.

Distribution: Moluccas.

\*3. **R. affinis** Hendel, 1914

*Rivellia affinis* Hendel, 1914b :161; 1914a :87. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

\*4. **R. basilaris** (Wiedemann, 1830)

*Trypeta basilaris* Wiedeman, 1830 *Auss. zweifl. Ins.* **2**: 510.

*Rivellia basilaris* (Wied., 1830) Bezzi, 1913 *Mem. Indian Mus.* **3**: 68 (No. 32); 1913 *Philippine J. Sci. (D)* **8**: 321. Hendel, 1914a :87; 1914b :155. Bezzi, 1928 *Dipt. Fiji* :91. Frey, 1930 *Notul. ent.*

*Helsingf.* **10**: 54. Malloch, 1930 *Ins. Samoa* **6** (5): 221. Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 23.

Distribution: Sumatra; Java; Singapore; Taiwan; Japan; Fiji; Solomon Islands.

5. **R. concisivitta** (Walker, 1862)

*Ortalis concisivitta* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 16.

*Rivellia concisivitta* (Walk., 1862) Hendel, 1914a :88; 1914b :182.

Distribution: Moluccas.

Hendel regarded this species as doubtful.

\*6. **R. connata** (Thomson, 1868)

*Herina connata* Thomson, 1868 *Dipt. Eug. Resa* :575.

*Rivellia connata* (Thomson, 1868) Hendel, 1914a :88; 1914b :152. Bezzi, 1928 *Dipt. . . . Fiji* :91. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351; 1930 *ibid* **55**: 491 Fig. 1; 1930 *Ins. Samoa* **6** (5): 221; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

Distribution: Australia; Samoa; Fiji; a common, widely-spread species in all parts of Australia.

\*7. **R. connexa** Hendel, 1914

*Rivellia connexa* Hendel, 1914b :163; 1914a :88. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

8. **R. decatomoides** (Walker, 1862)

*Ortalis decatomoides* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 16.

*Rivellia decatomoides* (Walk., 1862) Hendel, 1914b :182. Hendel, (1914a, 1914b) regarded this species as doubtful.

Distribution: Moluccas.

\*9. **R. dimidiata** de Meijere, 1908

*Rivellia dimidiata* de Meijere, 1908 *Tijd. Ent.* **51**: 122 Pl. 4, Fig. 2. Hendel, 1914a :88; 1914b :164. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121 Pl. 4, Fig. 19.

Distribution: New Guinea.

\*10. **R. distobasalis** Hardy, 1959

*Trypeta basalis* Walker, 1859 (*nec. Trypeta basalis* Walker, 1852) *J. Proc. Linn. Soc. Lond.* **3**: 120. Bezzi, 1913 *Mem. Indian Mus.* **3**: 67 (No. 30).

*Rivellia distobasalis* Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 211.

Distribution: Aru Islands (New Guinea).

\*11. **R. ferruginea** Hendel, 1914

*Rivellia ferruginea* Hendel, 1914b :159; 1914a :88. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

\*12. **R. fulvescens** Malloch, 1940

*Rivellia fulvescens* Malloch, 1940 *Proc. R. ent. Soc. Lond. (B)* **9**: 72.

Distribution: Solomon Islands.

\*13. **R. fusca** (Thomson, 1868)

*Herina fusca* Thomson, 1868 *Dipt. Eug. Resa* :575.

*Rivellia fusca* (Thomson, 1868) Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 211. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Hendel, 1914a :89; 1914b :156. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55. Curran, 1936 *Proc. Calif. Acad. Sci. (4th Series)* **22**: 23. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: Java; Philippines; New Guinea; Solomon Islands; Taiwan.

14. **R. hendeliana** Bezzi, 1917

*Rivellia hendeliana* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 138. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Philippines.

15. **R. imitans** Malloch, 1930

*Rivellia imitans* Malloch, 1930 *Ins. Samoa* **6** (5): 220.

Distribution: Samoa.

\*16. **R. isolata** Malloch, 1930

*Rivellia isolata* Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 492 Fig. 2.

Distribution: New South Wales (Australia).

17. **R. lavata** Hendel, 1914

*Rivellia lavata* Hendel, 1914b :165; 1914a :89. Malloch, 1930 *Ins. Samoa* **6** (5): 221.

Distribution: Samoa.

18. **R. marina** Malloch, 1940

*Rivellia marina* Malloch, 1940 *Proc. R. ent. Soc. Lond. (B)* **9**: 19.

Distribution: Admiralty Islands.

19. **R. obliqua** (Walker, 1861)

*Ortalis obliqua* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 297.

*Rivellia obliqua* (Walk., 1861) Hendel, 1914b :172; 1914a :89.

Distribution: Moluccas.

Hendel was doubtful of this species.

20. **R. pipartita** Hendel, 1933

*Rivellia pipartita* Hendel, 1933 *Dtsch. ent. Z.* (year 1933) :42.

Distribution: Java.

\*21. **R. polita** Hendel, 1932

*Rivellia polita* Hendel, 1932 *Mem. Mus. Hist. nat. Belg.* **4**: 30.

Distribution: New Guinea.

\*22. **R. radiata** Hendel, 1914

*Rivellia radiata* Hendel, 1914b :161; 1914a :90. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

\*23. **R. rufibasis** Malloch, 1939

*Rivellia rufibasis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121 Pl. 4, Fig. 18.

Distribution: New Guinea.

24. **R. sauteri** Hendel, 1914

*Rivellia sauteri* Hendel, 1914b :158; 1914a :90. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Taiwan; Philippines.

\*25. **R. similis** Hendel, 1914

*Rivellia similis* Hendel, 1914b :157; 1914a :90.

Distribution: New Britain.

26. **R. sumbawana** Hennig, 1941

*Rivellia sumbawana* Hennig, 1941 *Arb. morph. taxon. Ent. Berl.* **8**: 23.

Distribution: Sumbawa Island.

27. **R. vacillans** (Walker, 1860)

*Ortalis vacillans* Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 157.

*Rivellia vacillans* (Walk., 1860) Hendel, 1914a :90; 1914b :182.

Distribution: Celebes.

Hendel was doubtful of this species.



\*28. **R. virgo** Hendel, 1914

*Rivellia virgo* Hendel, 1914b :167; 1914a :90. Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 492 Fig. 3.

Distribution: New South Wales (Australia).

\*29. **R. viridis** Hendel, 1914

*Rivellia viridis* Hendel, 1914b :152; 1914a :90.

Distribution: New South Wales (Australia).

Hendel suggested that this species was possibly synonymous with *Ortalis mentissa* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 991.

39A. Genus: **ZEALANDORTALIS** Malloch, 1930

Malloch, 1930 *Rec. Canterbury (N.Z.) Mus.* **3**: 243. Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 176.

1. **Z. interrupta** Malloch, 1930

*Zealandortalis interrupta* Malloch, 1930 *Rec. Canterbury (N.Z.) Mus.* **3**: 243. Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 176 Fig. 209.

Distribution: New Zealand.

2. **Z. philpotti** Harrison, 1959

*Zealandortalis philpotti* Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 178 Fig. 210.

Distribution: New Zealand.

These are the only species of Otitidae recorded from New Zealand.

42. Genus: **EUXESTOMOEAE** de Meijere, 1913

de Meijere, 1913 *Nov. Guin.* **9**: 377. Hendel, 1914a :91; 1914b :187. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 105.

Type species: *Ortalis promptus* Walker, 1859.

\*1. **E. bipunctata** Hendel, 1914

*Euxestomoea bipunctata* Hendel, 1914b :188; 1914a :93. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106 Pl. 4, Fig. 6.

Distribution: New Guinea.

\*2. **E. discifera** de Meijere, 1913

*Euxestomoea discifera* de Meijere, 1913 *Nov. Guin.* **9**: 377. Hendel, 1914a :93; 1914b :189. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: New Guinea.

\*3. **E. prompta** (Walker, 1859)

*Ortalis promptus* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 118.

*Euxestomoea prompta* (Walk., 1859) de Meijere, 1913 *Nov. Guin.* **9**: 377; 1915 *Tijd. Ent.* **58**: 135. Hendel, 1914a :93; 1914b :187. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: New Guinea.

Although the section on *Euxestomoea* in de Meijere, 1913 *Nova Guinea* was the work of Hendel, and de Meijere used the wording "*Euxestomoea* Hendel, *Euxestomoea* remained a M.S. name until de Meijere validated it by his publication of it in *Nova Guinea*. As Neave (*Nomenclator Zoologicus* **2**: 383) points out, the correct citation is therefore *Euxestomoea* de Meijere, 1913.

44. Genus: **LOXONEVRA** Macquart, 1835

Macquart, 1835 *Suites Buffon* **2**: 446 Pl. 19, Fig. 10.

*Loxoneura* Hendel, 1914a :96; 1914b :190.

Type species: *Dictya decora* Fabricius, 1805.

Because the letters v and u in Macquart's *Suites à Buffon* are somewhat alike in print, authors have mistakenly adopted the spelling *Loxoneura*. Inspection of Macquart's work shows beyond all doubt that he named the genus *Loxonevra*. *Loxonevra* Macquart, 1835 is the only spelling recognized by Neave (*Nomenclator Zoologicus* **2**: 1003).

1. **L. decora** (Fab., 1805)

*Dictya decora* Fabricius, 1805 *Syst. Antl.* :327.

*Loxonevra decora* (Fab., 1805) Macquart, 1835 *Suites Buffon* **2**: 446 Pl. 19, Fig. 10. Bezzi, 1913 *Mem. Indian Mus.* **3**: 81 (No. 280). Hendel, 1914a :98; 1914b :191. Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 138. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 118. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Java; Sumatra; Nepal (India); Philippines.

2. **L. fascipennis** Hendel, 1914

*Loxonevra fascipennis* Hendel, 1914b :195; 1914a :98.

Distribution: Borneo.

3. **L. perilampoides** Walker, 1858

*Loxonevra perilampoides* Walker, 1858 *Trans. ent. Soc. Lond.* (new ser.) **4**: 226. Hendel, 1914a :98; 1914b :198.

Distribution: Sumatra; Sikkim (India).

46. Genus: **ACHIOSOMA** Hendel, 1914

Hendel, 1914b :200; 1914a :100. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Type species: *Achias dacoides* Walker, 1865.

\*1. **A. aspiciens** (Walker, 1864)

*Dacus aspiciens* Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 229.

*Achiosoma aspiciens* (Walk., 1864) Hendel, 1914a :101; 1914b :201.  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

\*2. **A. costalis** Malloch, 1939

*Achiosoma costalis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

\*3. **A. dacoides** (Walker, 1865)

*Achias dacoides* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 133.

*Achiosoma dacoides* (Walker, 1865) Hendel, 1914a :101; 1914b :200.  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

\*4. **A. nigrifacies** Malloch, 1939

*Achiosoma nigrifacies* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 131  
Pl. 5, Fig. 26.

Distribution: New Guinea.

47. Genus: **ACHIAS** Fabricius, 1805

Fabricius, 1805 *Syst. Antl.* :247. Hendel, 1914a :101; 1914b :201.  
Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351; 1939 *ibid* **64**: 132.

Type species: *Achias oculatus* Fabricius, 1805.

\*1. **A. albertisi** Osten-Sacken, 1881

*Achias albertisi* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473.  
Hendel, 1914a :103; 1914b :210. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

\*2. **A. amplivdens** Walker, 1859

*Achias amplivdens* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 122. Hendel,  
1914a :103; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 135.

Distribution: Aru Island (New Guinea).

\*3. **A. apictipennis** Hennig, 1940

*Achias apictipennis* Hennig, 1940 *Arb. morph. taxon. Ent. Berl.* **7**: 316.  
Distribution: Queensland (Australia).

\*4. **A. australis** Malloch, 1939

*Achias australis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137 Pl. 5,  
Fig. 28.  
Distribution: Queensland (Australia).

\*5. **A. brachyophthalmus** Walker, 1865

*Achias brachyophthalmus* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 119.  
Hendel, 1914a :103; 1914b :218. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 135 Pl. 5, Fig. 27.  
Distribution: New Guinea.

\*6. **A. diversifrons** de Meijere, 1913

*Achias diversifrons* de Meijere, 1913 *Nov. Guin.* **9**: 371. Hendel, 1914a  
:103; 1914b :214. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.  
Distribution: New Guinea.

\*7. **A. fulviceps** de Meijere, 1913

*Achias fulviceps* de Meijere, 1913 *Nov. Guin.* **9**: 373. Hendel, 1914a :103;  
1914b :205. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.  
Distribution: New Guinea.

\*8. **A. furcatus** Hendel, 1914

*Achias furcatus* Hendel, 1914b :216; 1914a :103. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.  
Distribution: New Guinea.

\*9. **A. gjellerupi** de Meijere, 1915

*Achias gjellerupi* de Meijere, 1915 *Tijd. Ent.* **58**: 130.  
Distribution: New Guinea.

\*10. **A. kurandana** Hennig, 1940

*Achias kurandana* Hennig, 1940 *Arb. morph. taxon. Ent. Berl.* **7**: 315.  
Distribution: Queensland (Australia).

\*11. **A. latividens** Walker, 1859

*Achias latividens* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 121. Hendel,  
1914a :103; 1914b :208. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**:  
126. Malloch, 1939 *Proc. Linn. Soc. Lond.* **64**: 137.  
Distribution: New Guinea.

\*12. **A. longividens** Walker, 1859

*Achias longividens* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 121. Hendel, 1914a :103; 1914b :210. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: Aru Island (New Guinea).

\*13. **A. macrocephalus** Hendel, 1914

*Achias macrocephalus* Hendel, 1914b :215; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137 (as *microcephalus* (*sic.*)).

Distribution: New Guinea.

14. **A. oculatus** Fabricius, 1805

*Achias oculatus* Fabricius, 1805 *Syst. Anth.* :247. Hendel, 1914a :104; 1914b :203.

Distribution: Java (*sic.*).

This and *A. australis* Malloch are the only species not recorded from New Guinea. All the other described species are endemic to New Guinea. But see \*15. *A. platychirus* Hendel (below).

\*15. **A. platychirus** Hendel, 1914

*Achias platychirus* Hendel, 1914b :204; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

Hendel (1914b :202 (footnote)) suggested that his *A. platychirus* might be a synonym of *A. oculatus* Fab., 1805. Should this be demonstrated, *A. oculatus* would be a New Guinea as well as a Java species.

\*16. **A. punctulatus** de Meijere, 1913

*Achias punctulatus* de Meijere, 1913 *Nov. Guin.* **9**: 372. Hendel, 1914a :104; 1914b :215. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

\*17. **A. rothschildi** Austen, 1910

*Achias rothschildi* Austen, 1910 *Novit. Zool.* **17**: 459 Pl. 15, Figs. 5-9. Hendel, 1914a :104; 1914b :206. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

\*18. **A. strigatus** de Meijere, 1913

*Achias strigatus* de Meijere, 1913 *Nov. Guin.* **9**: 372. Hendel, 1914a :104; 1914b :205. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

\*19. **A. subnudus** Malloch, 1939

*Achias subnudus* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

\*20. **A. thoracalis** Hendel, 1914

*Achias thoracalis* Hendel, 1914b :213; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.

Distribution: New Guinea.

\*21. **A. venustus** Walker, 1865

*Achias venustus* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 119. Hendel, 1914a :104; 1914b :219. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

48. Genus: **LAMPROGASTER** Macquart, 1843

Macquart, 1843a *Mem. Soc. R. Sci. Lille* (1842) :368; 1843b *Dipt. exot.* **2**: 211. Hendel, 1914a :104; 1914b :220. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 348; 1929 *ibid* **54**: 513; 1930 *ibid* **55**: 432; 1939 *ibid* **64**: 138.

Type species: *Lamprogaster flavipennis* Macquart, 1843.

1. **L. amitina** Frey, 1930

*Lamprogaster amitina* Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Philippines.

2. **L. angusta** Enderlein, 1924

*Lamprogaster angusta* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128.

Distribution: Moluccas.

\*3. **L. apicalis** (Walker, 1849)

*Chromatomyia apicalis* Walker, 1849 *List. Dipt. Brit. Mus.* **4**: 804.

*Lamprogaster apicalis* (Walk., 1849) Hendel, 1914a :107; 1914b :227.

*Helocnemia apicalis* (Walk., 1849) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128. *Lamprogaster apicalis* (Walk., 1849) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 138.

Distribution: Western Australia.

\*4. **L. austeni** Sharp, 1900

*Lamprogaster austeni* Sharp, 1900 *Willey Results* **4**: 391 Pl. 35, Figs. 11-11c. *L. xanthoptera* Hendel, 1914a :107; 1914b :220; (footnote) *ibid* :225. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349; 1929 *ibid* **54**: 515.

*L. austeni* Sharp, 1900, 1939 *ibid* **64**: 143.

Distribution: Bismarck Archipelago.

\*5. **L. basalis** Walker, 1861

*Lamprogaster basalis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 248. Hendel, 1914a :107; 1914b :229. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 144.

Distribution: New Guinea.

\*6. **L. bicolor** Macquart, 1847

*Lamprogaster bicolor* Macquart, 1847 *Dipt. exot. Supp.* **2**: 89. Hendel, 1914a :107; 1914b :237. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: New South Wales (Australia).

7. **L. celebensis** Enderlein, 1924

*Lamprogaster celebensis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127.

Distribution: Celebes.

\*8. **L. costalis** Walker, 1861

*Lamprogaster costalis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 247. Hendel, 1914a :108; 1914b :231. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 141.

Distribution: New Guinea.

\*9. **L. decolor** Malloch, 1939

*Lamprogaster decolor* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 144 Pl. 5, Fig. 30.

Distribution: New Guinea.

\*10. *L. elongata* v. d. Wulp, 1885

*Lamprogaster elongata* v. d. Wulp, 1885 *Tijd. Ent.* **28**: 228. Hendel 1914a :108; 1914b :223. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 126. Non Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 515 (*L. pseudelongata* Malloch, 1930) see note. 1930 *ibid* **55**: 432 Fig. 1, 1939 *ibid* **64**: 144.

Distribution: New Guinea and surrounding islands.

In the 1929 reference above, Malloch misidentified as *L. elongata* a species sent to him from Queensland. He corrected this mistake in his 1930 reference where he described the Queensland species under the name of *L. pseudelongata*. It is to this species, therefore, that the 1929 reference actually applies.

\*11. *L. flavipennis* Macquart, 1843

*Lamprogaster flavipennis* Macquart, 1843 *Dipt. exot.* **2**: 211 Pl. 28, Fig. 7. Hendel, 1914a :108; 1914b :234. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Bezzi, 1928 *Dipt. . . . Fiji* :91. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: Victoria and New South Wales (Australia); Fiji.

Bezzi's identification of *L. flavipennis* from Fiji requires confirmation.

12. *L. fulvescens* Malloch, 1931

*Lamprogaster fulvescens* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 11.

Distribution: Philippines.

\*13. *L. fulvipes* Malloch, 1939

*Lamprogaster fulvipes* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 145 Pl. 5, Fig. 31.

Distribution: New Guinea.

\*14. *L. fuscibasis* Malloch, 1930

*Lamprogaster fuscibasis* Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 433.

Distribution: Queensland (Australia).

\*15. *L. grossa* Malloch, 1939

*Lamprogaster grossa* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 142.

Distribution: New Guinea.

\*16. *L. hilaris* (Walker, 1849)

*Chromatomyia hilaris* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 804.

*Lamprogaster hilaris* (Walk., 1849) Hendel, 1914a :108; 1914b :244.

Distribution: ? Australia (*sic.*).



This is a very doubtful species. It is represented by the remains of Walker's type, and has apparently not been collected since. Hendel (1914b) quotes Walker's description *verbatim* without further comment; Malloch does not refer to the species at all. Even the type locality is uncertain.

\*17. *L. indistincta* Malloch, 1928

*Lamprogaster indistincta* Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: Northern Australia.

\*18. *L. instabilis* (Walker, 1861)

*Dacus instabilis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 250. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 140).

*L. gracilis* Hendel, 1914b :225. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 141. *L. instabilis* (Walk., 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 177.

Distribution: New Guinea.

\*19. *L. jucunda* (Walker, 1849)

*Chromatomyia jucunda* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 802.

*Lamprogaster jucunda* (Walk., 1849) Hendel, 1914a :108; 1914b :238. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127.

Distribution: New South Wales (Australia).

Although not referred to by Malloch, Enderlein had specimens sent to him from Sydney, N.S.W.

\*20. *L. laeta* (Guérin, 1830)

*Platystoma laeta* Guérin, 1830 *Voy. Coquille* :299.

*Lamprogaster laeta* (Guérin, 1830) Hendel, 1914a :108; 1914b :244. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 516.

Distribution: New South Wales (Australia); Queensland (Australia).

This species is not *Chromatomyia laeta* Walker, 1849 (*List Dipt. Brit. Mus.* **4**: 805), a confusion for which Hendel was responsible. In his 1914b publication, although he had seen neither the type nor specimens con-specific with it, he transferred Walker's species to *Lamprogaster* but stated that *he believed it to be Duomyia* sp.! In the same publication, he also transferred *Platystoma laeta* Guérin, 1830 to *Lamprogaster*. By so doing, he produced *L. laeta* (Guérin, 1830) and *L. laeta* (Walker, 1849).

In 1929, Malloch (*Proc. Linn. Soc. N.S.W.* **54**: 516) established the validity of *L. laeta* (Guérin, 1830). He received specimens of it from

Queensland (Australia). In his paper, he provided a modern description and commented that this was "the first known record since the original description".

Walker's species has no definite status until critical examination of the type enables it to be correctly placed generically.

\*21. **L. lepida** Walker, 1857

*Lamprogaster lepida* Walker, 1857 *Trans. ent. Soc. Lond.* (new series) **4**: 226. Hendel, 1914a :108; 1914b :235. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349; 1929 *ibid* **54**: 516.

Distribution: Queensland (Australia); Celebes.

\*22. **L. macrocephala** Hendel, 1914

*Lamprogaster macrocephala* Hendel, 1914b :230; 1914a :108. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 145.

Distribution: New Guinea.

\*23. **L. maculipennis** Macquart, 1847

*Lamprogaster maculipennis* Macquart, 1847 *Dipt. exot. Supp.* **2**: 89 Pl. 6, Fig. 5. Hendel, 1914a :108; 1914b :231. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: Eastern Australia.

24. **L. obliqua** Frey, 1930

*Lamprogaster obliqua* Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Philippines.

\*25. **L. patula** Walker, 1861

*Lamprogaster patula* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 247. Hendel, 1914a :107; 1914b :222. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128 (as *Ceratopelta patula* (Walk., 1861). Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 140.

Distribution: New Guinea.

26. **L. placida** (Walker, 1849)

*Chromatomyia placida* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 802.

*Lamprogaster placida* (Walker, 1849) Hendel, 1914b :243; 1914a :109. Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 139. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 11.

Distribution: Philippines.

\*27. **L. poecila** Hendel, 1914

*Lamprogaster poecila* Hendel, 1914b :239; 1914a :109.

Distribution: Northern Australia.

\*28. **L. pseudelongata** Malloch, 1930

*Lamprogaster pseudelongata* Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 432 Fig. 2; 1929 *ibid* **54**: 515.

Distribution: Queensland (Australia).

Malloch, 1929 referred this species to *L. elongata* v. d. Wulp, 1885. He corrected the mistake in his 1930 reference where he described *L. pseudelongata* as *sp. nov.* His 1929 reference is hence to *L. pseudelongata*.

29. **L. pumicata** v. d. Wulp, 1885

*Lamprogaster pumicata* v. d. Wulp, 1885 *Tijd. Ent.* **28**: 230 Pl. 7, Fig. 12. Hendel, 1914a :109; 1914b :238. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 516; 1939 *ibid* **64**: 143.

Distribution: New Caledonia.

\*30. **L. quadrilinea** Walker, 1859

*Lamprogaster quadrilinea* Walker, 1859. Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 111. de Meijere, 1913 *Nov. Guin.* **9**: 370. 1915 *Tijd. Ent.* **58**: 132. Hendel, 1914a :109; 1914b :242. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 142.

Distribution: New Guinea.

\*31. **L. rufipes** Hendel, 1914

*Lamprogaster rufipes* Hendel, 1914b :233; 1914a :109. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

\*32. **L. severa** Hendel, 1914

*Lamprogaster severa* Hendel, 1914b :240; 1914a :109. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

\*33. **L. stenoparia** Hendel, 1914

*Lamprogaster stenoparia* Hendel, 1914b :227; 1914a :109. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 350; 1929 *ibid* **54**: 515; 1939 *ibid* **64**: 144.

Distribution: Queensland (Australia).

34. **L. superna** Walker, 1862

*Lamprogaster superna* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12.  
Hendel, 1914a :109; 1914b :240.

Distribution: Moluccas.

35. **L. taeniata** v. d. Wulp, 1885

*Lamprogaster taeniata* v. d. Wulp, 1885 *Tijd. Ent.* **28**: 229 Pl. 7, Figs. 10  
and 11. Hendel, 1914a :109; 1914b :241. Malloch, 1939 *Proc. Linn.  
Soc. N.S.W.* **64**: 145.

Distribution: Moluccas.

\*36. **L. trisignata** v. d. Wulp, 1885

*Lamprogaster trisignata* v. d. Wulp, 1885 *Tijd. Ent.* **28**: 231 Pl. 7, Fig. 13.  
de Meijere, 1913 *Nov. Guin.* **9**: 370. Hendel, 1914a :109; 1914b :232.  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

\*37. **L. unimacula** Hendel, 1914

*Lamprogaster unimacula* Hendel, 1914b :239.

Distribution: Queensland (Australia).

\*38. **L. vella** (Walker, 1849)

*Chromatomyia vella* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 803.

*Lamprogaster vella* (Walker, 1849) Hendel, 1914a :109; 1914b :233.

Distribution: Queensland (Australia).

\*39. **L. viola** Malloch, 1929

*Lamprogaster viola* Malloch, 1929. Malloch, 1929 *Proc. Linn. Soc. N.S.W.*  
**54**: 515.

Distribution: Queensland (Australia).

\*40. **L. violacea** (Macquart, 1843)

*Cryphocera violacea* Macquart, 1843 *Dipt. exot.* **2**: 212 Pl. 29, Fig. 4.

*Lamprogaster violacea* (Macq., 1843) Hendel, 1914a :109; 1914b :244.

Distribution: New Guinea.

\*41. **L. zelotypa** Hendel, 1914

*Lamprogaster zelotypa* Hendel, 1914b :226; 1914a :110. Malloch, 1928  
*Proc. Linn. Soc. N.S.W.* **53**: 350; 1929 *ibid* **54**: 515; 1939 *ibid* **64**: 141.

Distribution: Queensland (Australia); New Guinea.

*Lamprogaster* is essentially a *New Guinea-Australian* genus. Inspection of otitid collections in Australian museums shows that many species await description.

49. Genus: **MONTROUZIERA** Bigot, 1860 (Monotypic)  
Bigot, 1860 *Ann. Soc. ent. France* (3rd series) **8**: 224.  
Type species: *M. lifua* Bigot, 1860.

1. **M. lifua** Bigot, 1860

*Montrouziera lifua* Bigot, 1860 *Ann. Soc. ent. France* (3rd series) **8**: 224.  
Hendel, 1914a :110; 1914b :245.

Distribution: New Caledonia.

49A. Genus: **RHEGMATOSAGA** Frey, 1930 (Monotypic)  
Frey, 1930 *Notul. ent. Helsingf.* **10**: 63.

Type species: *Rhegmatosaga latiuscula* (Walker, 1857).

1. **R. latiuscula** (Walker, 1857)

*Noeeta latiuscula* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 133.

Syn.: *Rhegmatosaga insignis* Frey, 1930 *Notul. ent. Helsingf.* **10**: 63 Pl. 1,  
Fig. 8; 1932 *Ann. Mag. nat. Hist.* **10**: 256.

*Rhegmatosaga latiuscula* (Walker, 1857) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **10**: 256.

Distribution: Philippines.

Frey designated his *insignis* as the type species of his *gen. nov.*, *Rhegmatosaga*. Since *insignis* is a synonym of *Noeeta latiuscula* Walker, *latiuscula* is the type species of *Rhegmatosaga*.

49B. Genus: **TYLOPTERNA** Bezzi, 1917

Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 131.

Type species: *Tylopterna monstrosus* Bezzi, 1917.

1. **T. monstrosus** Bezzi, 1917

*Tylopterna monstrosus* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 133. Frey,  
1930 *Notul. ent. Helsingf.* **10**: 64.

Distribution: Philippines.

51. Genus: **LENOPHILA** Guérin-Ménéville, 1843

Guérin-Ménéville, 1843 *Rev. Zool.* **6**: 200.

*Celetor* Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 41. Hendel, 1914a :113;  
1914b :246. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 505.

*Lenophila* Guérin, 1843 Bezzi, 1913 *Mem. Indian Mus.* **3**: 70.

Type species: *Ortalis dentipes* Macquart, 1843.

\*1. *L. caerulea* (Macquart, 1846) (*conj. nov.*)

*Tephritis caerulea* Macquart, 1846 *Dipt. exot. Supp.* 1: 212 Pl. 18, Fig. 15.

*Trypeta cluana* Walker, 1849 *List Dipt. Brit. Mus.* 4: 1019.

*Lamprogaster caerulea* (Macq., 1846) Schiner, 1868 *Dipt. Novara Reis.* :285.

*Celetor caerulea* (Macq., 1846) Loew, 1873 *Mon. N. Amer. Dipt.* 3: 41. Hendel, 1914a :115; 1914b :247. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 506. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 211.

Distribution: Most Australian States.

This species has the peculiar habit of resting on the long, sharp-edged, siliceous leaves of "grass-trees" (*Xanthorrhoea* spp.) with the outspread wings pressed flat against the leaf surface. This habit, aided by the markings on the wings, gives the insects the appearance of spiders. When the plant is approached, the insects make no attempt to fly; they merely close their wings rapidly, and drop down in the spiny centre of the plant where they are more than adequately protected. This behaviour has been noted by several entomologists, but the association between insect and plant is unknown.

\*2. *L. dentipes* (Macquart, 1843)

*Ortalis dentipes* Macquart, 1843 *Dipt. exot.* 2: 210 Pl. 28, Fig. 5.

*Ceratitis? dentipes* (Macq., 1843) Guérin, 1843 *Rev. zool.* 6: 200.

*Lenophila dentipes* (Macq., 1843) Guérin, 1843 *ibid* 6: 200.

*Tephritis strigipennis* Macquart, 1850 *Dipt. exot. Supp.* 4: 290 Pl. 27, Fig. 2.

*Lamprogaster dentipes* (Macq., 1843) Schiner, 1868 *Dipt. Novara Reis.* 285.

*Celetor dentipes* (Macq., 1843) Loew, 1873 *Mon. N. Amer. Dipt.* 3: 41.

*Lenophila dentipes* (Macq., 1843) Bezzi, 1913 *Mem. Indian Mus.* 3: 70 (No. 75).

*Celetor dentipes* (Macq., 1843) Hendel, 1914a :115; 1914b :246. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 120. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 506.

Distribution: New South Wales (Australia).

This genus has long been wrongly known as *Celetor*. When Loew erected *Celetor*, he designated *Celetor caerulea* (Macq., 1846) as the type species, being unaware that Guérin (1843) had already proposed *Lenophila*, and by giving a full re-description of *Lenophila dentipes* (Macq., 1843) had made it the type species of the genus. Bezzi (1913) was aware of Guérin's

work but in his paper in *Mem. Indian Mus.* he merely cited the correct name without comment, so that the incorrect *Celetor* has hitherto been used by almost all earlier workers in the Otitidae. The above facts necessitate the transfer of both species to *Lenophila* with *Ortalis dentipes* Macq., 1843 as the type species of the genus.

52. Genus: **SCHOLASTES** Loew, 1873

Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 38. Hendel, 1914a :117; 1914b :248. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Type species: *Platystoma cinctum* Guérin, 1830.

\*1. **S. aitapensis** Malloch, 1939

*Scholastes aitapensis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 128, Pl. 5, Fig. 24; 1940 *Ann. Mag. nat. Hist.* **6**: 20; 1942 *Bernice P. Bishop Mus. Bull.* **172**: 207; 1946 *ibid* **189**: 199.

Distribution: New Guinea; Guam; Solomon Islands; Shortland Island; Admiralty Islands.

\*2. **S. bimaculatus** Hendel, 1914

*Scholastes bimaculatus* Hendel, 1914b :252; 1914a :117. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121. Bezzi, 1928 *Dipt. . . . Fiji* :92. Malloch, 1930 *Ins. Samoa* **6** (5): 223; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129.

*S. solomonensis* Curran, 1936. Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 73.

Distribution: New Britain; Fiji; Samoa; Hawaii.

3. **S. carolinensis** Enderlein, 1924

*Scholastes carolinensis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Caroline Islands.

\*4. **S. cinctus** (Guérin, 1830)

*Platystoma cinctum* Guérin, 1830 *Voy. Coquille Zool.* :299 Pl. 21, Fig. 9.

*Scholastes cinctus* (Guérin, 1830) Hendel, 1914b :249; 1914a :117. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71, 72 (Nos. 99 and 102); 1917 *Philippine J. Sci. (D)* **12**: 139; 1928 *Dipt. . . . Fiji* :91. de Meijere, 1915 *Tijd. Ent.* **58**: 132. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 120. Malloch, 1930 *Ins. Samoa* **6** (5): 22; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 128 Pl. 5, Fig. 23.

*S. whitneyi* Curran, 1936. Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 73.

Distribution: New South Wales (Australia); New Guinea; New Britain; Java; Philippines; Fiji.

5. **S. frauenfeldi** (Schiner, 1868)

*Dacus frauenfeldi* Schiner, 1868 *Dipt. Novara Reis.* :285. Bezzi, 1913 *Mem. Indian Mus.* **3**: 72 (No. 114).

*Scholastes frauenfeldi* (Schiner, 1868) Hendel, 1914a :117; 1914b :251. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Java; Caroline Islands.

6. **S. furcatifascia** Enderlein, 1924

*Scholastes furcatifascia* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Borneo.

7. **S. hirtiventris** Malloch, 1942

*Scholastes hirtiventris* Malloch, 1942 *Bernice P. Bishop Mus. Bull.* **172**: 208. Swezey, 1946 *ibid* **189**: 199.

Distribution: Guam.

8. **S. lonchifera** Hendel, 1914

*Scholastes lonchifera* Hendel, 1914b :253; 1914a :117. Bezzi, 1928 *Dipt. . . . Fiji* :92. Malloch, 1932 *Bernice P. Bishop Mus. Bull.* **98**: 205; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129.

Distribution: Cook Islands; Society Islands; Fiji.

\*9. **S. palmyra** Curran, 1936

*Scholastes palmyra* Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 24 Pl. 1, Fig. 5.

Distribution: Solomon Islands.

10. **S. sexvittatus** (Walker, 1861)

*Lamprogaster sexvittata* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 261.

*Scholastes distigma* Hendel, 1914b :252. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56 (as *S. distigma*, Hendel).

*Scholastes sexvittatus* (Walker, 1861) Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 74.

Distribution: Java; Admiralty Islands.

\*11. **S. taylori** Malloch, 1939

*Scholastes taylori* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129 Pl. 5, Fig. 25.

Distribution: New Guinea.



12. *S. trifasciatus* Enderlein, 1924

*Scholastes trifasciatus* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 122.

Distribution: Mariana Islands.

58. Genus: **PSEUDORICHARDIA** Hendel, 1911

Hendel, 1911 :21 (footnote); 1914b :267; 1914a :123.

Although Hendel gave no complete description of *Pseudorichardia* until 1914b :267 his footnote in *Gens. Ins.* (**113**: 21) complies with the minimum requirements of Article 25 (a) of the Rules.

Type species: *Richardia flavitarsis* Macquart, 1850.

1. *P. aristalis* Bezzi, 1928

*Pseudorichardia aristalis* Bezzi, 1928 *Dipt. . . . Fiji* :93. Fig. 27.

Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 64.

Distribution: Fiji.

2. *P. bezziana* Steyskal, 1952

*Pseudorichardia bezziana* Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 64.

Distribution: New Hebrides.

3. *P. flavitarsis* (Macquart, 1850)

*Richardia flavitarsis* Macquart, 1850 *Dipt. exot. Supp.* **5**: 121 Pl. 7, Fig. 3.

*Pseudorichardia flavitarsis* (Macquart, 1850). Hendel, 1911 *Gens. Ins.* **113**: 21 (footnote); 1914a *ibid* **157**: 124; 1914b :267. Bezzi, 1928 *Dipt. . . . Fiji* :92 Fig. 26. Malloch, 1929 *Ann. Mag. nat. Hist.* (ser. 10) **4**: 100; 1930 *Ins. Samoa* **6** (5): 222; 1932 *Bernice P. Bishop Mus. Bull.*: 206. Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21** (5): 66.

Distribution: Malay Archipelago; Samoa; Tahiti; Marquesa Islands; Society Islands.

4. *P. interrupta* (Bezzi, 1928)

*Pseudorichardia flavitarsis* (Macq., 1850) var. *interrupta* Bezzi, 1928. *Dipt. . . . Fiji* :92 Fig. 26.

*Pseudorichardia interrupta* (Bezzi, 1928) Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 66.

Distribution: Fiji.

59. Genus: **BREA** Walker, 1859

Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :125; 1914b :260. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Brea contraria* Walker, 1859.

\*1. **B. angustilimbata** de Meijere, 1915

*Brea angustilimbata* de Meijere, 1915 *Tijd. Ent.* **58**: 129.

Distribution: New Guinea.

\*2. **B. basalis** Enderlein, 1924

*Brea basalis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125.

Distribution: New Guinea.

\*3. **B. contraria** Walker, 1859

*Brea contraria* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :126; 1914b :269. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124 Pl. 4, Fig. 21.

Distribution: Aru Islands (New Guinea).

\*4. **B. discalis** Walker, 1859

*Brea discalis* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :126; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: Aru Islands (New Guinea).

\*5. **B. discifera** Hendel, 1914

*Brea discifera* Hendel, 1914b :270; 1914a :126. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: New Guinea.

\*6. **B. flavipes** de Meijere, 1913

*Brea flavipes* de Meijere, 1913 *Nov. Guin.* **9**: 371; 1915 *Tijd. Ent.* **58**: 130. Hendel, 1914a :126; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: New Guinea.

\*7. **B. magnifica** Hendel, 1914

*Brea magnifica* Hendel, 1914b :271; 1914a :127. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125 Pl. 5, Fig. 22.

Distribution: New Guinea.

\*8. **B. nouhuysi** de Meijere, 1913

*Brea nouhuysi* de Meijere, 1913 *Nov. Guin.* **9**: 370 Pl. 10, Fig. 42; 1915 *Tijd. Ent.* **58**: 130. Hendel, 1914a :127; 1914b :270.

Distribution: New Guinea.

\*9. **B. ralumensis** Enderlein, 1924

*Brea ralumensis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125.

Distribution: New Britain.

61. Genus: **CHAETORIVELLIA** de Meijere, 1913 (Monotypic)

de Meijere, 1913 *Nov. Guin.* **9**: 376. Hendel, 1914a :128; 1914b :276. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Type species: *Ortalis trifasciata* Doleschall, 1859.

\*1. **C. trifasciata** (Doleschall, 1859)

*Ortalis trifasciata* Doleschall, 1859 *Nat. Tijd. Ned. Ind.* **17**: 121.

*Chaetorivellia trifasciata* (Doleschall, 1859) de Meijere, 1913 *Nov. Guin.* **9**: 376; 1915 *Tijd. Ent.* **58**: 132. Hendel, 1914a :129; 1914b :276. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Distribution: New Guinea.

62. Genus: **DASYORTALIS** Hendel, 1914

Hendel, 1914b :277; 1914a :129. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 506; 1939 *ibid* **64**: 102.

Type species: *Ortalis complens*, Walker, 1859.

\*1. **D. angustifrons** Hendel, 1914

*Dasyortalis angustifrons* Hendel, 1914b :279; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

\*2. **D. barbata** Hendel, 1914

*Dasyortalis barbata* Hendel, 1914b :279; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

\*3. **D. complens** (Walker, 1859)

*Ortalis complens* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 118.

*Dasyortalis complens* (Walker, 1859) (*Nom. nud.*) de Meijere, *Nov. Guin.* **9**: 378. Hendel, 1914b :277; 1914a :131. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 506; 1939 *ibid* **64**: 102 Pl. 4, Figs. 1, 2.

Distribution: New Guinea; Solomon Islands; Moluccas.

Curran, 1936 (*Proc. Cal. Acad. Sci.* **22**: 54) and Malloch, 1939 (*Proc. Linn. Soc. N.S.W.* **64**: 103) have described two doubtful varieties of this species—var. *fasciata* Curran, and var. *separata* Malloch. Both require further study before their status can be determined.

\*4. **D. goniceps** Hendel, 1914

*Dasyortalis goniceps* Hendel, 1914b :281; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

5. **D. ? leucomera** (Walker, 1863)

*Ortalis leucomera* Walker, 1863 *J. Proc. Linn. Soc. Lond.* **7**: 219.

*Dasyortalis leucomera* (Walker, 1863) Hendel, 1914a :131; 1914b :277 (footnote).

Distribution: Moluccas.

Examination of the type will be necessary to determine the genus to which this species belongs.

6. **D. signifacies** (Walker, 1861)

*Trypeta signifacies* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 165. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 240).

*Dasyortalis signifacies* (Walker, 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 223.

Distribution: Moluccas.

7. **D. ? tarsalis** (Walker, 1861)

*Ortalis tarsalis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 296.

*Dasyortalis tarsalis* (Walker, 1861) Hendel, 1914a :131; 1914b :277 (footnote).

Distribution: Moluccas.

Examination of the type will be necessary to determine the genus to which this species belongs.

65. Genus: **TROPIDOGASTRELLA** Hendel, 1914

Hendel, 1914b :285; 1914a :134.

Type species: *Tropidogastrella tropida* Hendel, 1914.

1. **T. cristiventris** (Gerstäcker, 1860)

*Gorgopsis cristiventris* Gerstäcker, 1860 *Stett. ent. Zeit.* **21**: 135.

*Tropidogastrella cristiventris* (Gerstäcker, 1860) Hendel, 1914b :287; 1914a :136. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Moluccas.

2. **T. decora** (de Meijere, 1911)

*Zygaenula decora* de Meijere, 1911 *Tijd. Ent.* **54**: 371.

*Tropidogastrella decora* (de Meijere, 1911) Hendel, 1914a :136; 1914b :289. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Java.

The type species was recorded from Taiwan.

66. Genus: **ASYNTONA** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (series 6) **1**: 135. Hendel, 1914a :136; 1914b :290. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Type species: *Lamprogaster tetyroides* Walker, 1859.

\*1. **A. flaviceps** Hendel, 1914

*Asyntona flaviceps* Hendel, 1914b :291; 1914a :138. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 122.

Distribution: New Guinea.

\*2. **A. tetyroides** (Walker, 1859)

*Lamprogaster tetyroides* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 112.

*Asyntona tetyroides* (Walker, 1859) Hendel, 1914b :290; 1914a :138. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 122 Pl. 4, Fig. 20.

Distribution: New Guinea.

67. Genus: **ZYGAENULA** Doleschall, 1858

Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 117. Hendel, 1914a :138; 1914b :292. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Zygaenula paradoxa* Doleschall, 1858.

See note at end of *Mesoctenia*, No. 67A.

\*1. **Z. coalescens** Hendel, 1914

*Zygaenula coalescens* Hendel, 1914b :293.

*Mesoctenia coalescens* (Hendel, 1914) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: New Britain.

\*2. **Z. hylaris** Hendel, 1914

*Zygaenula hylaris* Hendel, 1914b *Abh. zool. -bot. Ges. Wien* **8**: 294.

*Mesoctenia hylaris* (Hendel), 1914 Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: New Guinea.

3. **Z. paradoxa** Doleschall, 1858

*Zygaenula paradoxa* Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 118. Hendel, 1914a :139; 1914b :292. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: Moluccas.

67A. Genus: ? **MESOCTENIA** Enderlein, 1924 (Monotypie)

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Mesoctenia ralumensis* Enderlein, 1924.

\*1. **M. ralumensis** Enderlein, 1924

*Mesoctenia ralumensis* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123. (A possible synonym of *Zygaenula coalescens*.)

Distribution: New Guinea.

NOTE: Although *Zygaenula* and *Mesoctenia* are shown in this catalogue as being distinct genera, the status of neither can at present be defined, nor species allotted to either with certainty. All that can be done is to detail the events that have led to the confusion, leaving clarification of the situation to the future.

Doleschall (1858 *Nat. Tijd. Ned. Ind.* **17**: 117) erected *Zygaenula* for the reception of his species, *paradoxa*. By monotypy *Z. paradoxa* is the type species of the genus, *Zygaenula*.

Hendel (1914a) revised the genus. He began by synonymizing *Gorgopsis bucephala* Gerstäcker, 1860 (misprinted in A as *G. hucephala*), with *Z. paradoxa*, quoting *verbatim*, Gerstäcker's description of *G. bucephala* as that of *paradoxa* (Hendel 1914a: 292). To *Zygaenula*, he transferred

*Lamprogaster celyphoides* Walker, 1859. He also suggested that "Vielleicht gehört hieher auch *Ortalis dispila* Thomson, 1868" (*ibid*: 292 footnote), though he omitted this species from his key to, and discussion on, the genus. He described two species *Z. coalescens* and *Z. hilaris*. Thus, as he saw it, *Zygaenula* comprised the species, *paradoxa* (type species of the genus), *celyphoides*, *coalescens* and *hilaris*, with *O. dispila* in abeyance. Hendel must have considered that the species he added to *Zygaenula* had the generic characters of *paradoxa*.

In 1924, Enderlein (*Mitt. zool. Mus. Berlin* 11: 130) erected the monotypic genus, *Mesoctenia* for his new species, *ralumensis* (*ibid* :131) which he designated as the type species of *Mesoctenia*. He distinguished his genus from *Zygaenula* (of which he claimed to have three males and one female of *paradoxa* from Amboina) "durch die Anwesenheit einer Längsreihe kurzer kräftiger dornartiger Borsten auf der Unterseite (aufsen) der etwas verdickten Mittelschenkel".

In 1939, Malloch (*Proc. Linn. Soc. N.S.W.* 64: 123) discussed both genera. From Enderlein's description, he synonymized *M. ralumensis* with *Z. coalescens*. But he accepted *Mesoctenia* as a valid genus with *Z. coalescens* (= *M. ralumensis*) as its type species. To *Mesoctenia* he transferred *Z. celyphoides* and *Z. hilaris*. He left *paradoxa* in *Zygaenula* as "it is unknown to me", and he ignored *O. dispila*.

As revised by him, *Zygaenula* regained its monotypic status with *Z. paradoxa* as its type species, while his enlarged *Mesoctenia* contained *coalescens* (type of the genus), *celyphoides*, and *hilaris*. Since he admitted knowing nothing of *Z. paradoxa*, it is difficult to understand how Malloch could distinguish between *Zygaenula* and *Mesoctenia*. His reliance on Enderlein appears to be his only reason. His ignoring of *O. dispila* would seem to indicate that he regarded it as too doubtful for placement in a genus.

Because of the impossibility of making correct decisions based on the above facts alone, the author has been forced to adopt a makeshift arrangement: *Zygaenula*, as revised by Hendel, is, for the time being, accepted; *Mesoctenia* is of doubtful validity.

#### 68. Genus: **NAUPODA** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (Ser. 6) 1: 135. Hendel, 1914a :140; 1914b :295. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 513; 1939 *ibid* 64: 122.

Type species: *Naupoda platessa* Osten-Sacken 1882.

##### \*1. **N. insularis** Paramonov, 1957

*Naupoda insularis* Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) 10: 781.

Distribution: Lord Howe Island (Australia).

2. **N. platessa** Osten-Sacken, 1882

*Naupoda platessa* Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 223 Fig. 6. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Hendel, 1914a :141; 1914b :296. Frey, 1930 *Notul. ent. Helsingf.* **10**: 57.

Distribution: Philippines.

\*3. **N. regina** Hendel, 1914

*Naupoda regina* Hendel, 1914b :298; 1914a :141. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 513. 1939 *ibid* **64**: 122.

Distribution: New Guinea; Queensland (Australia).

4. **N. simmondsi** Bezzi, 1928

*Naupoda simmondsi* Bezzi, 1928 *Dipt. . . . Fiji* :95.

Distribution: Fiji.

5. **N. strigifera** de Meijere, 1919

*Naupoda strigifera* de Meijere, 1919 *Bijdr. Dierk.* **21**: 33 Pl. 2, Fig. 13. Bezzi, 1928 *Dipt. . . . Fiji* :95.

Distribution: Sumatra.

6. **N. unifasciata** Bezzi, 1917

*Naupoda unifasciata* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 141. Frey, 1930 *Notul. ent. Helsingf.* **10**: 57.

Distribution: Philippines.

\*7. **N. ventralis** Curran, 1936

*Naupoda ventralis* Curran, 1936 *Proc. Calif. Acad. Sci. (Ser. 4)* **22**: 26.

Distribution: Solomon Islands.

8. **N. ypsilon** v. d. Wulp, 1898

*Naupoda ypsilon* v. d. Wulp, 1898 *Tijd. Ent.* **41**: 206 Pl. 10, Fig. 2. Hendel, 1914a :141; 1914b :297.

Distribution: Java.

9. **N. ypsilonoides** de Meijere, 1924

*Naupoda ypsilonoides* de Meijere, 1924 *Tijd. Ent.* **67** (supp.) :42.

Distribution: Java.



69. Genus: **PTEROGENIA** Bigot, 1859

Bigot, 1859 *Rev. Mag. Zool.* (Ser. 2) **11**: 315 Pl. 11, Figs. 2a-2c.  
 Hendel, 1914a :141; 1914b :304. Malloch, 1929 *Proc. Linn. Soc. N.S.W.*  
**54**: 513; 1939 *ibid* **64**: 125.

Type species: *Pterogenia singularis* Bigot, 1859.

1. **P. basilutea** (Walker, 1857)

*Lamprogaster basilutea* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 131.  
*Pterogenia basilutea* (Walker, 1857) Hendel, 1914a :145; 1914b :329.

Distribution: Borneo.

2. **P. bifasciata** Enderlein, 1924

*Pterogenia bifasciata* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 133.

Distribution: Sumatra.

3. **P. boettcheri** Frey, 1930

*Pterogenia boettcheri* Frey, 1930 *Notul. ent. Helsingf.* **10**: 58.

Distribution: Philippines.

\*4. **P. brevis** (Walker, 1865)

*Platystoma breve* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 120.

*Pterogenia brevis* (Walker, 1865) Hendel, 1914a :145; 1914b :325.

Distribution: New Guinea.

5. **P. centralis** Bezzi, 1917

*Pterogenia centralis* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 148. Frey,  
 1930 *Notul. ent. Helsingf.* **10**: 60.

Distribution: Philippines.

6. **P. dayak** Bigot, 1859

*Pterogenia dayak* Bigot, 1859 *Rev. Mag. Zool.* (Ser. 2) **11**: 316 Pl. 16,  
 Fig. 2. Hendel, 1914a :145; 1914b :314.

Distribution: Borneo.

7. **P. divisa** (Walker, 1857)

*Lamprogaster divisa* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 131.

*Pterogenia divisa* (Walker, 1857) Hendel, 1914a :146; 1914b :324.

Distribution: Borneo.

8. **P. flavicornis** Frey, 1930

*Pterogenia flavicornis* Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

\*9. **P. fuliginosa** Hendel, 1914

*Pterogenia fuliginosa* Hendel, 1914b :309; 1914a :146. Malloch, 1939  
*Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: New Guinea.

10. **P. glabra** (Walker, 1857)

*Lamprogaster glabra* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 30.

*Pterogenia glabra* (Walker, 1857) Hendel, 1914a :146; 1914b :324.

Distribution: Singapore.

11. **P. glabrella** Hendel, 1914

*Lamprogaster glabra* Walker, 1857 pp. *J. Proc. Linn. Soc. Lond.* **1**: 131.

*Pterogenia glabrella* Hendel, 1914b :310; 1914a :146.

Distribution: Sarawak.

12. **P. glabrina** Hendel, 1914

*Lamprogaster glabra* Walker, 1857 pp. *J. Proc. Linn. Soc. Lond.* **1**: 131.

*Pterogenia glabrina* Hendel, 1914b :318; 1914a :146.

Distribution: Sarawak.

Walker, 1857, under the name of *P. glabra* included three closely-related species—*P. glabra*, *P. glabrella* and *P. glabrina*. Hendel, 1914b distinguished the three species, naming the two which were distinct from *glabra*.

13. **P. guttata** (Walker, 1857) (No. 1)

*Lamprogaster guttata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.

*Pterogenia guttata* (Walker, 1857) Hendel 1914b :325; 1914a :146.

Distribution: Singapore.

13a. **P. guttata** (Walker, 1857) (No. 2)

*Lamprogaster guttata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 132.

*Pterogenia guttata* (Walker, 1857) Hendel, 1914b :326; 1914a :146.

Distribution: Borneo.

In 1857, Walker (*loc. cit.*) applied the name *Lamprogaster guttata* to two of his *sp. nov.* Whether these are one and the same species, or whether they are distinct, can be determined only after the types have been examined. It will then be possible to place them generically. I know of no evidence to justify Hendel's transference of them to *Pterogenia*, but this is accepted here for convenience.

14. **P. hamifera** Frey, 1930

*Pterogenia hamifera* Frey, 1930 *Notul. ent. Helsingf.* **10**: 58 Pl. 1, Fig. 3.

Distribution: Philippines.

\*15. **P. latericia** Hendel, 1914

*Pterogenia latericia* Hendel, 1914b :312; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland; New South Wales (Australia).

16. **P. laticeps** Bezzi, 1917

*Pterogenia laticeps* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 145; 1928 *Dipt. Fiji* :97. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

17. **P. luteipennis** Bezzi, 1917

*Pterogenia luteipennis* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 147. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

18. **P. niveitarsis** (Bigot, 1859)

*Agastrodes niveitarsis* Bigot, 1859 *Rev. Mag. Zool.* **11**: 312.

*Pterogenia niveitarsis* (Bigot, 1859) Hendel, 1914b :307; 1914a :146.

Distribution: Ceylon; Borneo.

\*19. **P. nubecula** Hendel, 1914

*Pterogenia nubecula* Hendel, 1914b :34; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland; New South Wales (Australia).

\*20. **P. nudiseta** Bezzi, 1928

*Pterogenia nudiseta* Bezzi, 1928 *Dipt. Fiji.* :97.

Distribution: Lord Howe Island (Australia).

21. **P. parva** Bezzi, 1917

*Pterogenia parva* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 144. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

\*22. **P. pectoralis** Hendel, 1914

*Pterogenia pectoralis* Hendel, 1914b :316; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: New Guinea.

23. **P. punctata** (Walker, 1857)

*Lamprogaster punctata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 132.

*Pterogenia punctata* (Walker, 1857) Hendel, 1914b :324; 1914a :146.

Distribution: Borneo.

24. **P. ruficrus** Hendel, 1914

*Pterogenia ruficrus* Hendel, 1914b :321; 1914a :146.

Distribution: Java.

\*25. **P. scutellaris** (Walker, 1859)

*Lamprogaster scutellaris* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 112.

*Pterogenia scutellaris* (Walker, 1859) Hendel, 1914b :327; 1914a :146.

Distribution: New Guinea.

\*26. **P. similis** Malloch, 1939

*Pterogenia similis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland (Australia).

27. **P. singularis** Bigot, 1859

*Pterogenia singularis* Bigot, 1859 *Rev. Mag. Zool.* (ser. 2) **11**: 315 Pl. 11, Figs. 2a-c. Hendel, 1914a :146; 1914b :305.

Distribution: Amboina, Celebes.

28. **P. subcruciata** Frey, 1930

*Pterogenia subcruciata* Frey, 1930 *Notul. ent. Helsingf.* **10**: 60 Pl. 1, Fig. 4.

Distribution: Philippines.

29. **P. tristis** Bezzi, 1917

*Pterogenia tristis* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 143. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

30. **P. truncatula** (Walker, 1857)

*Lamprogaster truncatula* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.

*Pterogenia truncatula* (Walker, 1857) Hendel, 1914b :325; 1914a :146.

Distribution: Singapore.

31. **P. valida** Bezzi, 1917

*Pterogenia valida* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 142. Frey, 1930 *Notul. ent. Helsingf.* **10**: 58.

Distribution: Philippines.

32. **P. variipennis** Walker, 1861

*Pterogenia variipennis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 292.  
Hendel, 1914a :146; 1914b :326.

Distribution: Moluccas.

33. **P. vittata** (Walker, 1857)

*Lamprogaster vittata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.  
*Pterogenia vittata* (Walker, 1857) Hendel, 1914b :328; 1914a :146.

Distribution: Sumatra; Singapore.

34. **P. vittifinis** Walker, 1861

*Pterogenia vittifinis* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 292. Hendel,  
1914a :146; 1914b :327.

Distribution: Moluccas.

35. **P. zonata** (Walker, 1857)

*Lamprogaster zonata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 30.  
*Pterogenia zonata* (Walker, 1857) Hendel, 1914a :146; 1914b :328.

Distribution: Singapore.

69A. Genus: **NEOHEMIGASTER** Malloch, 1939

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Type species: *Hemigaster albovittatus* Rondani, 1875.

1. **N. albovittata** (Rondani, 1875)

*Hemigaster albovittatus* Rondani, 1875 *Ann. Mus. Stor. nat. Genova* **7**: 431.  
*Pterogenia albovittata* (Rondani, 1875) Hendel, 1914b :322.

*Neohemigaster albovittata* (Rondani, 1875) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Distribution: Borneo.

69B. Genus: **CHAETOSTICHIA** Enderlein, 1924

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 133.

Type species: *Chaetostichia aduncivena* Enderlein, 1924.

1. **C. aduncivena** Enderlein, 1924

*Chaetostichia aduncivena* Enderlein, 1924 (*ibid*) **11**: 134.

Distribution: Java.

70. Genus: **EUPROSOPIA** Macquart, 1847

Macquart, 1847 *Dipt. exot. supp.* 2: 89. Hendel, 1914a :147; 1914b :329. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* 53: 343; 1928 *ibid* 53: 612; 1929 *ibid* 54: 512; 1939 *ibid* 64: 145; 1931 *Proc. U.S. nat. Mus.* 78 (15): 1.

Type species: *Euprosopia tenuicornis* Macquart, 1847.

1. **E. albifacies** (Doleschall, 1858)

*Pachycephala albifacies* Doleschall, 1858 *Nat. Tijds. Ned. Ind.* 17: 117.

*Euprosopia albifacies* (Doleschall, 1858) Hendel, 1914a :149; 1914b :360. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 136.

Distribution: Amboina.

\*2. **E. albolineata** de Meijere, 1913

*Euprosopia albolineata* de Meijere, 1913 *Nov. Guin.* 9: 367 Pl. 10, Fig. 39. Hendel, 1914a :149; 1914b :345.

Distribution: New Guinea.

\*3. **E. alticeps** Malloch, 1940

*Euprosopia alticeps* Malloch, 1940 *Ann. Mag. nat. Hist.* 6: 81.

Distribution: Solomon Islands.

4. **E. atomaria** (Walker, 1861)

*Platystoma atomaria* Walker, 1861 *J. Proc. Linn. Soc. Lond.* 5: 293.

*Euprosopia atomaria* (Walker, 1861) Hendel, 1914a :149.

Distribution: Moluccas.

\*5. **E. aureovitta** Malloch, 1939

*Euprosopia aureovitta* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 151 Pl. 5, Fig. 42.

Distribution: New Guinea.

\*6. **E. australis** (Walker, 1849)

*Platystoma australe* Walker, 1849 *List Dipt. Brit. Mus.* 4: 1061.

*Euprosopia australis* (Walker, 1849) Hendel, 1914a :149; 1914b :363.

Distribution: Australia (*sic.*).

7. **E. basalis** (Walker, 1860)

*Platystoma basale* Walker, 1860 *J. Proc. Linn. Soc. Lond.* 4: 148.

*Euprosopia basalis* (Walker, 1860) Hendel, 1914a :149; 1914b :361.

Distribution: Celebes.

\*8. **E. biarmata** Malloch, 1929

*Euprosopia biarmata* Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 512; 1930 *ibid* **55**: 431.

Distribution: Queensland (Australia).

\*9. **E. bilineata** de Meijere, 1906

*Euprosopia bilineata* de Meijere, 1906 *Nov. Guin. 5 zool. Dipt.* :92 Pl. 1, Fig. 14. Hendel, 1914a :149; 1914b :349. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5, Fig. 35.

Distribution: New Guinea.

10. **E. brevicornis** Hendel, 1914

*Euprosopia brevicornis* Hendel, 1914b :335; 1914a :149.

Distribution: Borneo.

11. **E. calypterata** Enderlein, 1912

*Euprosopia calypterata* Enderlein, 1912 *Zool. Jahrb.* **33**: 359 Fig. D. Hendel, 1914a :149; 1914b :350.

Distribution: Sumatra.

12. **E. chalybea** Frey, 1930

*Euprosopia chalybea* Frey, 1930 *Notul. ent. Helsingf.* **10**: 60 Pl. 1, Fig. 6.

Distribution: Philippines.

\*13. **E. conjuncta** Hendel, 1914

*Euprosopia conjuncta* Hendel, 1914b :339; 1914a :149. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 345; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 429.

Distribution: Queensland; Northern Territory (Australia).

\*14. **E. connexa** Malloch, 1940

*Euprosopia connexa* Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 79.

Distribution: Solomon Islands.

15. **E. curta** (Osten-Sacken, 1882)

*Notopsila curta* Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 210.

*Euprosopia curta* (Osten-Sacken, 1882) Hendel, 1914a :149; 1914b :332. Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 149. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62.

Distribution: Philippines; Taiwan.

\*16. **E. depressifrons** Malloch, 1940

*Euprosopia depressifrons* Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 86.

Distribution: Solomon Islands.

17. **E. dorsata** Hendel, 1914

*Euprosopia dorsata* Hendel, 1914b :340; 1914a :149. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 9.

Distribution: Ceylon, Philippines.

\*18. **E. dubitalis** Malloch, 1939

*Euprosopia dubitalis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5, Fig. 33.

Distribution: New Guinea.

19. **E. frontalis** (Walker, 1861)

*Platystoma frontale* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 268.

*Euprosopia frontalis* (Walker, 1861) Hendel, 1914a :149; 1914b :362.

Distribution: Celebes.

\*20. **E. fusifacies** (Walker, 1859)

*Platystoma fusifacies* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 113.

*Euprosopia fusifacies* (Walker, 1859) Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473. Hendel, 1914a :149; 1914b :347. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 151 Pl. 5, Fig. 41.

*Euprosopia squamifera* de Meijere, 1913 *Nov. Guin.* **9**: 368 Pl. 10, Fig. 40.

Distribution: New Guinea.

21. **E. gigas** Bezzi, 1917

*Euprosopia gigas* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 151. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62.

Distribution: Philippines.

\*22. **E. impingens** (Walker, 1865)

*Platystoma impingens* Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 134.

*Euprosopia impingens* (Walker, 1865) Hendel, 1914b :345; 1914a :149. Edwards, 1915 *Trans. zool. Soc. Lond.* **20**: 416. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 151 Pl. 5, Fig. 40.

*Lepidocompsia impingens* (Walker, 1865) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 137.

Distribution: New Guinea.

The status of Enderlein's monotypic genus, *Lepidocompsia*, cannot at present be determined.



\*23. **E. innocua** Malloch, 1939

*Euprosopia innocua* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 152 Pl. 5, Fig. 43.

Distribution: New Guinea.

Malloch (*ibid*) suggests that this species is possibly *Tetrachaetina burgersiana* Enderlein, 1924 *q.v.*

\*24. **E. insulicola** Malloch, 1940

*Euprosopia insulicola* Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 84.

Distribution: Solomon Islands.

\*25. **E. lepida** Curran, 1936

*Euprosopia lepida* Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 25 Pl. 1, Fig. 2.

Distribution: Guadalcanal Islands (Solomon Islands).

26. **E. lepidophora** Bezzi, 1917

*Euprosopia lepidophora* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 153. Frey, 1930 *Notul. ent. Helsingf.* **10**: 47.

Distribution: Philippines.

27. **E. longicornis** Bezzi, 1917

*Euprosopia longicornis* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 154. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 9.

Distribution: Philippines.

\*28. **E. macrotegularia** Malloch, 1928

*Euprosopia macrotegularia* Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 345 Fig. 1; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

\*29. **E. maculipennis** (Guérin), 1831

*Platystoma maculipennis* Guérin, 1831 *Voy. Coquille* Liv. 24, Pl. 21, Fig. 8, p. 299.

*Euprosopia maculipennis* (Guérin, 1831) Hendel, 1914b :358; 1914a :149. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346; 1928 *ibid* **53**: 612; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

For details of publication date of *E. maculipennis* see Musgrave, 1932 *Bibliography of Australian Entomology 1775-1930* p. 133.

30. **E. metallica** Malloch, 1931

*Euprosopia metallica* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 6.

Distribution: Philippines.

\*31. **E. miliaria?** Hendel, 1914

*Platystoma pectorale* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 13.

*Euprosopia miliaria* Hendel, 1914b :353; 1914a :149. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346; 1929 *ibid* **54**: 512; 1939 *ibid* **64**: 148.

Distribution: New Guinea; Queensland (Australia).

Some doubt attaches to the specific name. Walker (1862) described this species as *Platystoma pectorale*. Although Hendel (b) was aware of this, when he transferred the species to *Euprosopia*, he substituted the specific name *miliaria* for *pectorale*, but gave no reasons for doing so. Neither Malloch (1928) could, nor Steyskal (in correspondence) can, give any explanation for his action.

Since attempted restoration of *pectorale* would only further cloud the issue, *miliaria* is here temporarily retained.

32. **E. millepuncta** Bezzi, 1917

*Euprosopia millepuncta* Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 152. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 10.

Distribution: Philippines.

\*33. **E. minor** Malloch, 1940

*Euprosopia minor* Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 82.

Distribution: Solomon Islands.

\*34. **E. minuta** Malloch, 1939

*Euprosopia minuta* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 148 Pl. 5, Fig. 32.

Distribution: New Guinea.

35. **E. mohnikei** (Doleschall, 1858)

*Pachycephala mohnikei* Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 116.

*Notopsila mohnikei* (Dol. 1858) Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 209.

*Oncoscelia mohnikei* (Dol. 1858) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136.

*Euprosopia mohnikei* (Dol. 1858) Hendel, 1914a :150; 1914b :359.

Distribution: Amboina.

See note under *Notopsila*.

\*36. **E. multivitta** (Walker, 1859)

*Platystoma multivitta* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 113.

*Euprosopia multivitta* (Walker, 1859) Hendel, 1914b :362; 1914a :150.

Distribution: New Guinea.

37. **E. nobilis** Frey, 1930

*Euprosopia nobilis* Frey, 1930 *Notul. ent. Helsingf.* **10**: 61 Pl. 1, Fig. 5.

Distribution: Philippines.

\*38. **E. penicillata** Hendel, 1914

*Euprosopia penicillata* Hendel, 1914b :343; 1914a :150. Edwards, 1915  
*Trans. zool. Soc. Lond.* **20**: 416. Malloch, 1939 *Proc. Linn. Soc. N.S.W.*  
**64**: 151.

Distribution: New Guinea.

\*39. **E. potens** (Walker, 1862)

*Platystoma potens* Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12.

*Euprosopia potens* (Walker, 1862) Osten-Sacken, 1881 *Ann. Mus. Stor.  
nat. Genova* **16**: 472. de Meijere, 1913 *Nov. Guin.* **9**: 369. Hendel,  
1914a :150; 1914b :341. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**:  
150 Pl. 5, Fig. 37.

Distribution: New Guinea; Moluccas.

40. **E. producta** (Walker, 1861)

*Platystoma productum* Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 293.

*Euprosopia producta* (Walker, 1861) Hendel, 1914a :150; 1914b :361.

Distribution: Moluccas.

\*41. **E. protensa** (Walker, 1864)

*Platystoma protensa* Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 228.

*Euprosopia protensa* (Walker, 1864) Hendel, 1914a :150; 1914b :344.  
Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1939 *Proc.  
Linn. Soc. N.S.W.* **64**: 150 Pl. 5, Fig. 36.

Distribution: New Guinea.

\*42. **E. punctifacies** Malloch, 1928

*Euprosopia punctifacies* Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346  
Fig. 2; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

\*43. **E. rufiventris** Hendel, 1914

*Euprosopia rufiventris* Hendel, 1914b :334; 1914a :150. Malloch, 1939  
*Proc. Linn. Soc. N.S.W.* **64**: 148.

Distribution: New Guinea.

\*44. **E. scatophaga** Malloch, 1930

*Euprosopia scatophaga* Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 431;  
1931 *Proc. U.S. nat. Mus.* **78** (15): 7.

Distribution: Queensland (Australia).

45. **E. semiarmata** Malloch, 1931

*Euprosopia semiarmata* Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 3.

Distribution: Philippines.

\*46. **E. separata** Hendel, 1914

*Euprosopia separata* Hendel, 1914b :338; 1914a :150. Malloch, 1928  
*Proc. Linn. Soc. N.S.W.* **53**: 344. 1929 *ibid* **54**: 512.

Distribution: Queensland (Australia).

\*47. **E. setinervis** Malloch, 1939

*Euprosopia setinervis* Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5,  
Fig. 34.

Distribution: New Guinea.

48. **E. sexpunctata** (Osten-Sacken, 1882)

*Notopsila sexpunctata* Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 210.

*Euprosopia sexpunctata* (Osten-Sacken, 1882) Hendel, 1914b :359; 1914a  
:150. Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 149. Frey, 1930 *Notul.*  
*ent. Helsingf.* **10**: 61. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 8.

Distribution: Moluccas; Philippines.

49. **E. tarsalis** (Walker, 1864)

*Platystoma tarsale* Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 237.

*Euprosopia tarsalis* (Walker, 1864) Hendel, 1914b :360; 1914a :150.

Distribution: Moluccas.

\*50. **E. tegularia** Malloch, 1928

*Euprosopia tegularia* Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346, Fig. 3.

Distribution: Solomon Islands.

\*51. *E. tenuicornis* Macquart, 1847

*Euprosopia tenuicornis* Macquart, 1847 *Dipt. exot. supp.* **2**: 90 Pl. 6, Fig. 4.  
Hendel, 1914a :150; 1914b :336. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 612; 1930 *ibid* **55**: 430; 1931 *Proc. U.S. nat. Mus.* **78** (15): 7.

Distribution: Queensland; New South Wales (Australia).

\*52. *E. tigrina* Osten-Sacken, 1881

*Euprosopia tigrina* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473. Hendel, 1914a :150; 1914b :331. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 513; 1939 *ibid* **64**: 147.

Distribution: New Guinea.

53. *E. trivittata* Bezzi, 1917

*Euprosopia trivittata* Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 150. Frey, 1930 *Notul. ent. Helsingf.* **10**: 61. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 10.

Distribution: Philippines.

54. *E. ? truncata* (Enderlein, 1924) (*couj. nov.*)

*Oncoscelia truncata* Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 137.

Distribution: Celebes.

See note at end of ? *Notopsia*.

\*55. *E. ventralis* (Walker, 1859)

*Lamprogaster ventralis* Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 131.

*Euprosopia ventralis* (Walker, 1859) Hendel, 1914b :343; 1914a :150.  
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 150 Pl. 5, Figs. 38, 39.

Distribution: New Guinea.

70A. Genus: ? **NOTOPSILA** Osten-Sacken, 1882

Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 209.

The validity or otherwise of this genus has yet to be determined. It was erected by Osten-Sacken (*loc. cit.*) as a *nom. nov.* for *Pachycephala* Doleschall, 1858 (*Nat. Tijd. Ned. Ind.* **17**: 116—*Pachycephala mohuikei*) which was pre-occupied in Aves by *Pachycephala* Vigors, 1825.

Having overlooked Osten-Sacken's change, Enderlein in 1924 (*Mitt. zool. Mus. Berlin* **11**: 136) erected his genus *Oncoscelia* to replace *Pachycephala* Doleschall, designating *P. mohuikei* Dol., 1828 as the type species. At the same time, he transferred the Ceylonese species, *Euprosopia*

*nigropunctata* Hendel, 1914 (*Abh. zool.-bot. Ges. Wien* 8: 356) to *Oncoscelia* and described as *sp. nov. O. truncata* from the Celebes (*ibid* 11: 137).

As *N. nigropunctata* does not occur in the area covered by this catalogue, no further consideration of it is necessary. Hendel's placement of *mohnikei* is accepted, and a new combination, *Euprosopia truncata* is proposed for *Oncoscelia truncata* Enderlein, until the matter has been cleared up.

70B. Genus: ? **TETRACHAETINA** Enderlein, 1924 (Monotypic)

Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 138.

Type species: *T. burgersiana* Enderlein, 1924.

\*1. **T. burgersiana** Enderlein, 1924

*Tetrachaetina burgersiana* Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 138.

Distribution: New Guinea.

This genus is doubtful. Malloch, 1939 (*Proc. Linn. Soc. N.S.W.* 64: 153) claimed that it "is not tenable"; he also suggested that his own *Euprosopia innocua* (Malloch, 1939 *ibid*) might be a synonym of *T. burgersiana*. *Tetrachaetina* will probably later be rejected as a synonym of *Euprosopia*.

76. Genus: **EUTHYPLATYSTOMA** Hendel, 1914

Hendel, 1914b :398.

Type species: *Platystoma rigidum* Walker, 1857.

1. **E. plumatum** Hendel, 1914

*Euthyplatystoma plumatum* Hendel, 1914b :399; 1914a :160.

Distribution: Singapore.

2. **E. rigidum** (Walker, 1857)

*Platystoma rigidum* Walker, 1857 *J. Proc. Linn. Soc. Lond.* 1: 32.

*Euthyplatystoma rigidum* (Walker, 1857) Hendel, 1914b :398; 1914a :160  
Pl. 15, Fig. 284. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 153.

Distribution: India; Singapore; Celebes.

3. **E. superbum** (v. d. Wulp, 1881)

*Platystoma superbum* v. d. Wulp, 1881 *Dipt. Sumatra Exped.* :50 Pl. 3,  
Fig. 5.

*Euthyplatystoma superbum* (v. d. Wulp, 1881) Hendel, 1914b :401; 1914a  
:160.

Distribution: Sumatra.

77. Genus: **VALONIA** Walker, 1857 (Monotypic)

Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 34.

Type species: *Valonia complicata* Walker, 1857.

1. **V. complicata** Walker, 1857

*Valonia complicata* Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 34 Pl. 1, Fig. 6. Hendel, 1914a :161; 1914b :402. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 150.

Distribution: Singapore.

## II. Sub-family: OTITINAE

Type genus: *Otites* Latreille, 1804 *Nouv. Dict. Hist. nat.* **24**: 196.

1. Genus: **CERATOXYS** Rondani, 1861

Rondani, 1861 *Dipt. Ital. Prodr.* **4**: 10. Curran, 1934 *Fam. Gen. N. Amer. Dipt.* :281.

*Ceratoxys* was proposed by Rondani to replace *Meckelia* R.-D., 1830 (*Mém. Prés. Acad. Sci. Paris* **2**: 714) which was pre-occupied by *Meckelia* Leucart, 1828 (Vermes). *Anacampta* Loew, 1868 (*Z. Naturw. Berlin* **32**: 7) is a synonym.

1. **C. latiuscula** (Loew, 1873)

*Anacampta latiuscula* Loew, 1873 *Smithson. misc. Coll.* **11** (3): 130.

Distribution: North America (introduced into Hawaii).

## III. Sub-family: ULIDIINAE

Type genus: *Ulidia* Meigen, 1826 *Syst. Besch. Eur. zweifl. Ins.* **5**: 385.

3. Genus: **PHYSIPHORA**, Fallén, 1810

Fallén, 1810 *Sp. Ent. nov. Dipt. Dispon. Methodus* :11.

Syn.: *Chrysomyza* Fallén, 1817 *Dipt. Suec. Scenopinii* :3.

Type species: *Musca demandata* Fabricius, 1798.

Until recently this genus has been wrongly known as *Chrysomyza* Fallén, 1817. After erecting *Physiphora* in 1810, Fallén thought that it was pre-occupied (which it was not), and suggested *Chrysomyza* in 1817 as a substitute. Since *Physiphora* is valid, *Chrysomyza* is to be rejected as a synonym.

\*1. **P. aenea** (Fabricius, 1794)

*Musca aenea* Fab., 1794 *Ent. Syst.* **4**: 335.

*Chrysomyza aenea* (Fab., 1794) Hendel, 1910 *Gen. Ins.* **106**: 21 (for all references up to 1909).

*Chrysomyza* sp. Grimshaw, 1902 *Fauna Hawaiiensis* **3** (2): 85 (probably *C. aenea*).

*Chrysomyza aenea* (Fab., 1794) Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 43 Fig. 1. Hardy, 1920 *Proc. Linn. Soc. N.S.W.* **45**: 472 (? Identification). Malloch, 1930 *Ins. Samoa* **6** (5): 215. Curran, 1934 *N. Amer. Dipt.* :277 Figs. 27, 46. Hennig, 1941 *Ent. Beihefte* **8**: 117. Malloch, 1942 *B.P. Bishop Mus. Bull.* **172**: 205.

*Physiphora aenea* (Fab., 1794) Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 285.

Distribution: India; Java; Sumatra; Borneo; New Guinea; New South Wales; Queensland; Northern Territory (Australia); New Caledonia; New Hebrides; Solomon Islands; Philippines; Taiwan; Samoa; Marshall Islands; Marianas Islands; Guam; Hawaii.

All records of this species need careful checking since it is easily confused with *P. demandata* (Fab., 1798).

\*2. **P. aperta** Steyskal, 1952

*Physiphora aperta* Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 285 Figs. 1a, b.

Distribution: Solomon Islands.

\*3. **P. demandata** (Fab., 1798)

*Musca demandata* Fabricius, 1798 *Ent. Syst. (Suppl.)* :564.

*Chrysomyza demaudata* (Fab., 1798) Hendel, 1910 *Gen. Ins.* **106**: 21. Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 41 Fig. 2.

*Physiphora demandata* (Fab., 1798) Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 284.

Distribution: Cosmopolitan: Europe; Africa: North America; Australia.

The one Australian record for this species consists of specimens caught and identified by me in various parts of South Australia. I have also reared adults from larvae infesting wet, badly-made ensilage. Despite wide collecting over more than forty years, I have not seen, in South Australia, a single specimen of *aenea*. These facts suggest to me the possibility that some at



least of the specimens recorded from Australia as *aenea* may well be mis-identifications. The two species may be readily distinguished by the wing venation. Knab, 1916 (*Brooklyn ent. Soc. Bull.* **11**: 43 Figs. 1, 2) gives good illustrations of the wings of both.

#### 4. Genus: **EUXESTA** Loew, 1867

Loew, 1867 *Berl. ent. Zeit.* **11**: 297 Pl. 2, Figs. 7-20. Hendel 1910 *Gen. Ins.* **106**: 22 (see for all references prior to 1909). Malloch, 1930 *Ins. Samoa* **6** (5): 215; 1932 *B.P. Bishop Mus. Bull.* **98**: 208. Curran, 1934 *N. Amer. Dipt.* :277 Figs. 64; 85.

Type species: *Urophora quadrivittata* Macquart, 1835.

##### 1. **E. hyalipennis** Malloch, 1932

*Euxesta hyalipennis* Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 209. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 280.

Distribution: Marquesas Islands.

##### 2. **E. lafooni** Steyskal, 1952

*Euxesta lafooni* Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 280.

Distribution: New Hebrides.

##### 3. **E. pruinosa** Malloch, 1932

*Euxesta pruinosa* Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 210. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 282.

Distribution: Marquesas Islands.

##### 4. **E. quadrivittata** (Macquart, 1835)

*Urophora quadrivittata* Macquart, 1835 *Hist. nat. Dipt.* **2**: 456.

*Euxesta quadrivittata* (Macquart, 1835) Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 44. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 282.

*E. exilis* Knab, 1916 (*loc. cit.*).

Distribution: Florida; Cuba; Jamaica (introduced into Hawaii and Philippines).

##### 5. **E. semifasciata** Malloch, 1930

*Euxesta semifasciata* Malloch, 1930 *Ins. Samoa* **6** (5): 216 Fig. 1.

Distribution: Ellice Islands.

The possibility that one or more of the species, *hyalipennis*, *lafooni*, *pruinosa*, and *semifasciata* may be introductions from Central America or the Caribbean area should not be overlooked.

7. Genus: **PSEUDEUXESTA** Hendel, 1910

Hendel, 1910 *Gen. Ins.* **106**: 30.

Type species: *Pseudeuxesta prima* (Osten-Sacken, 1881).

\*1. **P. prima** (Osten-Sacken, 1881)

*Pseudeuxesta prima* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 470.

*Euxesta semifasciata* Malloch, 1930 *Ins. Samoa* **6** (5): 216.

*Pseudeuxesta prima* (Osten-Sacken, 1881) Hendel, 1910 *Gen. Ins.* **106**: 32; 1931 *Verh. zool.-bot. Ges. Wien* **81**: 4. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 98. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 286.

Distribution: Celebes; Seychelles; Ceram; New Guinea; Solomon Islands; Palau Islands; Truk Islands; Marshall Islands; Marianas Islands; Hawaii.

17. Genus: **ACROSTICTA** Loew, 1867

Loew, 1867 *Berl. ent. Z.* **11**: 293 Pl. 2, Fig. 5; 1873 *Smithson. misc. Coll.* **11** (3): 151. Hendel, 1910 *Gen. Ins.* **106**: 50.

Type species: *Acrosticta scrobiculata* Loew, 1867.

1. **A. apicalis** (Williston, 1896)

*Euxesta apicalis* Williston, 1896 *Trans. ent. Soc. Lond.* **12**: 375 Pl. 12, Fig. 128.

*Acrosticta pallipes* Grimshaw, 1901 *Fauna Hawaiiensis* **3** (1): 44; 1902 *ibid* **3** (2): 85. Hendel, 1910 *Gen. Ins.* **106**: 52. Bezzi, 1928 *Dipt. Fiji* :89. *Acrosticta apicalis* (Williston, 1896) Malloch, 1930 *Ins. Samoa* **6** (5): 217; 1932 *B.P. Bishop Mus. Bull.* **98**: 206. Bryan, 1934 *Proc. Haw. ent. Soc.* **8** (3): 430. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 279.

See Steyskal, 1952 for complete bibliography.

Distribution: West Indies; (introduced into Hawaii).

21. Genus: **NOTOGRAMMA** Loew, 1867

Loew, 1867 *Berl. ent. Z.* **11**: 289; 1873 *Smithson. misc. Coll.* **3**: 148. Hendel, 1910 *Gen. Ins.* **106**: 58.

Type species: *Notogramma cimiforme* Loew, 1867.

1. *N. cimiforme* Loew, 1867

*Notogramma cimiformis* Loew, 1867 *Berl. ent. Z.* **11**: 289. Loew, 1867 described *N. cimiformis*; in 1873 (*Smithson. Misc. Coll.* **11** (3): (148) he mistakenly synonymized it with *N. stigma* (Fab., 1798). Since then, both species have been confused. Steyskal, 1963 (*Proc. ent. Soc. Wash.* **65**: 196) has distinguished the two species and emended *cimiformis* to *cimiforme* in conformity with the gender of *Notogramma*. *N. stigma* has never been correctly recorded from any Pacific Island; all such records should be referred to *N. cimiforme*. (See Steyskal, *loc. cit.* for complete bibliography.)

Distribution: West Indies; Central and South America. (Introduced into the following places: Hawaii; Marianas Islands; Guam; Palau Islands and Wake Island.)

## APPENDIX

## GENERA OF ULIDIINAE ERECTED AFTER 1910

Hendel's work on the sub-family, Ulidiinae, appeared in 1910 (*Gen. Ins.* fascicle 106). Since that year, three new genera were erected by Malloch who, however, did not refer them to Hendel's arrangement of genera. In these circumstances, I am unable to do so, and therefore present them in this appendix.

1. Genus: **HETERODOXA** Malloch, 1932

Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 211.

Type species: *Heterodoxa uapouae* Malloch, 1932.

1. **H. fatuhivae** Malloch, 1932

*Heterodoxa fatuhivae* Malloch, 1932 *ibid* **98**: 214 Fig. 49d.

Distribution: Marquesas Islands.

2. **H. hivaoae** Malloch, 1932

*Heterodoxa hivaoae* Malloch, 1932 *ibid* **98**: 213 Fig. 49b.

Distribution: Marquesas Islands.

3. **H. uahukae** Malloch, 1932

*Heterodoxa uahukae* Malloch, 1932 *ibid* **98**: 214 Fig. 49c.

Distribution: Marquesas Islands.

4. **H. uapouae** Malloch, 1932

*Heterodoxa uapouae* Malloch, 1932 *ibid* **98**: 212 Fig. 49a.

Distribution: Marquesas Islands.

2. Genus: **NEOEUXESTA** Malloch, 1930

Malloch, 1930 *Ins. Samoa* **6** (5): 218.

Type species: *Neoeuxesta fumicosta* Malloch, 1930.

1. **N. fumicosta** Malloch, 1930

*Neoeuxesta fumicosta* Malloch, 1930 *ibid* **6** (5): 218. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20**: 283.

Distribution: Samoa.

2. **N. guamana** Steyskal, 1952

*Neoeuxesta guamana* Steyskal, 1952 *ibid* **20**: 283 Fig. 1d.

Distribution: Guam.

3. Genus: **PERISSONEURA** Malloch, 1932

Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 207.

Type species: *Perissoneura diversipennis* Malloch, 1932.

1. **P. diversipennis** Malloch, 1932

*Perissoneura diversipennis* Malloch, 1932 *ibid* **98**: 207 Fig. 28. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20**: 284.

Distribution: Marquesas Islands.

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